# VICINITY MAP



# LOCATION MAP

# **PROJECT DESCRIPTION**

Reed Park is an 3.19 acre existing community park in Fruita, Colorado, with existing vehicular access off of S. Elm Street and S. Maple Street, as illustrated. The proposed work scope reflects a comprehensive re-design of the existing community park located at the corner of S. Maple Street and S. McCune Avenue.

The Construction Document package includes landscape architecture, civil engineering, mechanical engineering, electrical engineering and skate park design.

The work contained within these documents consists of the primary elements listed below:

- Establish required tree protections.
- Provide site demolition of select site features.
- Provide earthwork, site grading and site utilities.
- Provide concrete paving
- Provide planting soils and plants.
- Provide site furnishings and shade structures.
- Provide wheel park design improvements.
- Provide mechanical and electrical engineering.
- Coordinate all work with associated disciplines and trades 9.

Design and Engineering requirements for the following are provided under separate cover by consultants retained by the Owner (City of Fruita):

- Proposed playground equipment refer to Playground Designer's Drawings and Specifications. 10.
- Proposed mini-pitch sport court refer to Musco's Drawings and Specifications. 11.

Irrigation system design and engineering shall be designed and installed by the Landscape Contractor. Refer to General Notes herein and Specs Section 328433 for additional requirements.



# **PROJECT TEAM**

# OWNER

**CITY OF FRUITA** 325 E. Aspen Ave. Fruita, CO 81521 Tel: (970) 858-3663 Contact: Sam Atkins

# LANDSCAPE ARCHITECT DESIGNWORKSHOP 22860 Two Rivers Road,

Basalt, CO 81621 Tel: (970) 399-1434 Contact: Marianne Stück

# **REED PARK IMPROVEMENTS**

250 S. ELM ST., FRUITA, CO 81521

# FOR CONSTRUCTION

# **100% CONSTRUCTION DOCUMENTS**

ISSUED: AUGUST 4, 2023



**CIVIL/STRUCTURAL ENGINEER** COLLINS ENGINEERS, INC. 455 Sherman Street, Suite 160 Denver, CO 80203 Tel: (720)262-5527 Contact: Bryant E. Walters

MEP ENGINEER **BIGHORN CONSULTING ENGINEERS, INC** 386 Indian Rd Grand Junction, CO 81501 Tel: (970) 241-8709 Contact: Mark Harrington

# SHEET INDEX

Sheet	Sheet Title	2/22/2022 3% DD	3/15/2023 ermit Set	3/04/2023 00% CD
No.		12	84	90
Land	dscape Drawings:			
GENERA				
L0-01	Site Hardscape Reference Plan	•		
L0-02	Site Softscape Reference Plan	•		
L0-03	General Information Sheet	•		•
L0-04	General Information Sheet			
L0-05	Site Scope of Work Diagram			
*L0-06	Site Irrigation Zone Diagram		•	•
PLANT P	ROTECTION AND REMOVAL SERIES			
L1-01	Plant Protection and Removal Plan	•		•
L1-02	Plant Protection and Removal Plan-ADD ALTERN	ATE	•	•
SITE DEI	MOLISH PLAN			
L2-00	Refer to Civil Engineer's Drawings			
SITE MA	TERIALS SERIES			
L3-01	Site Materials Plan	•	•	•
L3-02	Site Materials Plan-ADD ALTERNATE		•	•
SITE LAY	YOUT SERIES			
14-01	Site Lavout Plan	•	•	•
L4-02	Site Layout Plan-ADD ALTERNATE	_	•	•
SITE GR	ADING SERIES			
1.5-00	Refer to Civil Engineer's Drawings			
20 00				
SITE LIG	HTING SERIES			
L6-00	Not Used at this Time			
SITE DE	TAILS			
L7-01	Site Details	•		•
L7-02	Site Details	٠		۲
L7-03	Site Details	•		•
L7-04 TREE P	Site Details LANTING SERIES (Combined with Shrub &		•	•
Groundo	cover Planting Series to create 'Planting Series')			
L8-01	Tree Planting Plan	•	•	•
L8-02	Tree Planting Plan-ADD ALTERNATE		•	•
SHRUB				
L9-00				
PLANTIN	IG DETAILS			
L11-01	Planting Details	•	•	•
111-02	Planting Details			

NOTE: As part of this project , the Contractor shall maintain a complete, up-to-date set of all Drawings and Technical Specifications available for review at the construction site by the Owner's Representatives. In addition, the Contractor shall ensure all installations and coordination by all trades occurs in accordance with the above revisions. 2. DRAWINGS INDECATED by \* SHOULD BE PRINTED IN COLOR

**NOTE 3: MEP Plans are not included in this set but are** provided separately.

Sheet No.	Sheet Title	12/22/2022 50% DD	06/15/2023 Permit Set	08/04/2023 100% CD
Civil	Engineering Drawings:			
CIVIL ENG	INEERING SERIES			
C1-00	General Notes			
C1-01	Demolition Plan			
C2-01	Utility Plan		•	•
C3-00	Grading & Drainage Plan	•	•	•
C3-01	Detailed Grading Plan 1		•	•
C3-02	Detailed Grading Plan 2		•	•
C3-03	Detailed Grading Plan 3		•	•
C3-04	Detailed Grading Plan 4		•	•
C3-05	Phase 2 - Site & Grading Plan		•	•
C4-00	Submersible Storm Pump Plan		•	•
C4-01	Pump Details Sheet 1		•	•
C4-02	Pump Details Sheet 2		•	•
C4-03	Pump Details Sheet 3		•	•
C5-01	Site Details Sheet 1		•	•
C5-02	Site Details Sheet 2		•	•
C6-00	Erosion Control Plan			•

NOTE 3	2/2022 DD	5/2023 hit Set	4/2023 6 CD
Sheet Sheet Title No.	50%	06/1! Perm	08/0⁄ 100%
MEP Drawings			
MEP SERIES			
		•	•
IES-1		•	•
E2-1	•	•	•
E3-1			•
M1-1			•
M3-1	٠	<b>X</b>	•
P0-1	•		•
P3-1	•	•	

Sheet Sheet Title No.	06/15/2023 Permit Set	08/04/2023 100% CD	
Wheel Park Designer			
SP1.00		•	
SP1.01		•	
SP1.02		•	
SP1.03		•	
SP1.04		•	
SP1.05	•	•	
SP1.06	•	•	
SP1.07	•	•	
SP1.08	•	•	
SP2.01	•	•	
SP3.01	•	۲	
SP4.01	•	۲	
SP4.02	•	•	
SP4.03	•	•	
SP4.04	•	•	
SP4.05	•	•	
SP5.01	•	•	
SP5.02			
SP5.03			
SP5.04	•		
SP5.05			

# WHEEL PARK DESIGNER

ACTION SPORTS DESIGN, LLC 12400 W Hwy 71, Suite 350-348 Austin, TX 78738 Tel: (512) 387-5827 Contact: Mike McIntyre





1		(3)
	<b>GENERAL NOTES</b> 1. Kaart Surveying prepared the survey for this project. It has been reformatted for use in and for	<b>SITE LIGHTING NOTES</b> 1. Lighting symbols on plans are diagrammatic. and product information.
	preparation of these documents. Contractor shall obtain officially signed copy from Kaart Surveying (73- Main Street, Grand Junction, CO 81501, phone - (970)-234-7449) and become familiar with it, the existin conditions and site context prior to construction. All discrepancies should be brought to the attention of the Landscape Architect for immediate resolution. Landscape Architect is not responsible for errors or omissions associated with preparation or documentation of survey.	<ol> <li>The lighting design is intended to meet all illuring</li> <li>The lighting design is intended to meet all illuring</li> <li>Society (IES) in the most recent edition of the these illumination standards.</li> </ol>
A	2. Huddleston-Berry Engineering and Testing LLC prepared the geotechnical investigation and report for the project. It has been referenced during preparation of these documents. Contractor shall obtain officially signed copy from Collins Engineers Inc. (2789 Riverside Parkway, Grand Junction, CO 81501, phone - (970) 255-8005) and become familiar with it prior to construction. All discrepancies should be brought to the attention of the landscape architect for immediate resolution. Landscape Architect is not responsible for errors or omissions associated with preparation or documentation of report.	<ul> <li>a. The lighting design as well as all fixtures used design guidelines pertaining to light trespass, required by the governing authority to confirm control accessories, and/or photometric analy</li> <li>4. Contractor shall insure luminaires are installed</li> </ul>
	<ol> <li>Contractor is responsible for determining means and methods for construction. These drawings may indicate a limit of proposed improvements, limits of site demolition, etc. for delineation of expected exten of disturbance, however, final impact shall be determined in the field. Should limits of disturbance excee boundaries defined in drawings, Contractor shall contact Landscape Architect for resolution.</li> </ol>	<ul> <li>5. Layout dimensions are for general reference of Landscape Architect.</li> <li>d</li> <li>6. Lighting pull-boxes, vaults and other in-grade surfaces. Notify Landscape Architect if located</li> </ul>
	4. Contractor is responsible for repairing all work disturbed by construction outside of limit lines defined on drawings or through his/her means and methods and General Conditions to a condition acceptable to the owner at no additional cost.	<ul> <li>Coordinate with existing and proposed underge</li> <li>for direction on fixture placement.</li> </ul>
	5. Contractor is responsible for protecting all existing conditions, improvements, utilities, etc. to remain. Any damages shall be repaired to a condition acceptable to the owner at no additional cost.	
	<ol> <li>Contractor is responsible for maintaining a complete up-to-date set of Drawings and Specifications at the construction site and ensuring the documents are readily available for review by the Landscape Architec and governing agency.</li> </ol>	t 1. Refer to Civil Engineer's utility and site gradin vary from what is shown on the plans, contac proceed.
B	7. The Drawings and Specifications are complementary to one another and implied to correspond with one another. Any discrepancies should be brought to the attention of the Landscape Architect for immediate resolution.	<ol> <li>Verify locations of pertinent site improvement cannot be followed due to site conditions, con commencing work.</li> </ol>
	<ol> <li>Contact the local underground utility service locator for utility locates and identification prior to commencing work and maintain in field throughout construction unless indicated or directed otherwise.</li> </ol>	3. Exact locations of plant materials shall be app installation. Stake or otherwise loweut all prov
	9. Verify plant protection, stormwater pollution protection plan (SWPPP), existing improvement to remain, and Contractor site control measures are in place prior to commencing with construction. Do not proceed with construction if not in compliance and maintained throughout. Coordinate with Owner's Representati and authorities having jurisdiction as required.	<ul> <li>Ve</li> <li>4. Verify plant counts and square footages. Qua on plant list differ from graphic indications, the contact Landscape Architect for clarification.</li> </ul>
-	PLANT PROTECTION AND REMOVAL NOTES	<ul> <li>5. Perform excavation in vicinity of underground necessary, by hand. The Contractor bears fu utilities and existing trees/plants shall be repared.</li> </ul>
	<ol> <li>Plants shall remain unless designated for removal and shall be protected as indicated. No disturbance is allowed within the dripline of the plants unless indicated or approved otherwise. Protect plants within the plant protection zone as indicated.</li> </ol>	<ol> <li>Trees/plants shall bear same relation to finish at no point shall it be less than 1 inch above a</li> </ol>
	2. Remove plants as indicated on the plans to their full depth, including stumps and roots, unless noted otherwise. Fill depressions to meet finish grade with suitable fill, compact and provide positive drainage unless indicated otherwise.	<ol> <li>Trees shall be planted a minimum of 10 feet f pavement, except as approved by Landscape</li> <li>Shrubs shall be planted a minimum of 3 feet f</li> </ol>
©	<ol> <li>Plants encountered that are not shown on the drawings shall be brought to the attention of the Landscape Architect.</li> </ol>	edge of pavement, except as approved by La 9. All other plants (perennials, grasses, groundc
	<ol> <li>Remove demolished materials and legally dispose of offsite unless indicated otherwise. Disposal by burning and/or burying on-site is prohibited unless approved otherwise.</li> </ol>	from face of building and a minimum of 6 inch Landscape Architect.
	5. Prune roots and limbs/branches only as directed by Landscape Architect unless indicated otherwise.	<ol> <li>Provide matching forms and sizes for plant m drawings.</li> </ol>
	<ol> <li>The location of existing utilities as shown on the plans may vary in relation to actual existing conditions. Additional utilities not shown on the drawings may exist. Verify in the field the data shown and bring any discrepancies to the attention of the Landscape Architect before starting work.</li> <li>Maintain plant protection fencing throughout construction unless approved otherwise.</li> </ol>	<ul> <li>11. Prune newly planted trees only as directed by</li> <li>12. Finish grades of planting areas and lawns sha paving, providing positive drainage. Shovel V</li> </ul>
		<ul> <li>13. Provide specified edging as divider between p provide shovel v-cut edge.</li> </ul>
	SITE LAYOUT NOTES	_
	<ol> <li>Layout and dimensions provided on Drawings are based on DW-Generated Baselines.</li> <li>Verify utility locates, plant protection and stormwater pollution protection plan (SWPPP) measures are ir place prior to commencing construction. Do not proceed with construction if not in compliance and maintained throughout.</li> </ol>	SYMBOLS LEGEND
D	<ol> <li>Layout and verify dimensions prior to construction. Field stake all proposed improvements for review and approval by Landscape Architect unless indicated otherwise. Bring discrepancies to the attention of the Landscape Architect for final direction. Landscape Architect reserves right to make field adjustments and layout decisions in field as necessary at no additional cost to owner.</li> </ol>	SAMPLE SECTION DETAIL REFERENCE
	<ol> <li>Request inspection of field staking by Landscape Architect a minimum of 72 hours in advance of neutroming any work unless indicated athenuise.</li> </ol>	SAMPLE ELEVATION DETAIL REFERENCE
	<ol> <li>For dimensions of buildings, trash enclosures, patios and related work, refer to the architectural drawings. Copies of these drawings are included herein and are noted "for information only".</li> </ol>	LIMIT OF WORK or LIMIT OF PROPOSED IMPROVEMENT or LIMIT OF "x" WHERE x REPRESENTS SHEET SERIES DESCRIPTION (i.e. DEMOLITION, GRADING, ETC. )
-	6. Written dimensions take precedence over scale. Bring discrepancies to the attention of the Landscape Architect for final direction.	SAMPLE LIMIT LINE
	<ul> <li>This drawing includes the dimensional controls for lighting fixtures.</li> <li>Where dimensions are called as "equal" (eq.) space referenced items equally measured to their center</li> </ul>	
	<ol> <li>Measurements are to face of building, wall or the fixed site improvement. Dimensions to center lines is indicated</li> </ol>	
E	<ol> <li>Provide expansion joints where concrete flatwork meets vertical structures such as walls, curbs, steps and building elements unless indicated or approved otherwise.</li> </ol>	
	<ol> <li>Parking area dimensions, see Civil drawings.</li> <li>Expansion joints in walkways as shown.</li> </ol>	
	13. All radii of walkway intersections shall be X'-X" unless indicated otherwise.	
	<ul><li>14. For all ADA sidewalk ramp dimensions, see Civil drawings.</li><li>15. Vehicular rated ADA ramp dimensions, see Civil drawings.</li></ul>	
F		

2

3

grammatic. Refer to details and specifications for actual dimensions

meet all illumination levels as required by State or Local Codes, or in f practice illumination levels as set by the Illumination Engineering dition of the "I.E.S Lighting Handbook". Final installation shall confirm

xtures used on the project shall conform to local codes, standards and nt trespass, glare, sky glow and other forms of light pollution. Any data y to confirm this compliance, such as manufacturer's information, glare netric analysis will be provided.

are installed in accordance with Manufacturer's specifications.

reference only. Final location to be determined in the field by the

ner in-grade appurtenances shall be flush with adjacent finish grades or tect if located on a slope greater than 5% for direction.

osed underground utilities. Notify Landscape Architect of any conflicts

# NTING NOTES

d site grading and drainage plans as required. If actual site conditions ans, contact the Landscape Architect for direction as to how to

nprovements installed under other sections. If any part of this plan nditions, contact Landscape Architect for instructions prior to

shall be approved by the Landscape Architect in the field prior to yout all proposed planting for review. Landscape Architect reserves the tion in field.

tages. Quantities are provided as Owner information only. If quantities ications, then graphics shall prevail. If graphics are inconclusive arification.

nderground utilities and existing tree/plant driplines with care and if ctor bears full responsibility for this work and disruption or damage to hall be repaired or replaced immediately at no expense to the Owner.

tion to finished grade as it bore to existing in place of growth. However, nch above adjacent finish grade.

n of 10 feet from face of building and a minimum of 4 feet from edge of / Landscape Architect.

m of 3 feet from face of building and a minimum of 12 inches from roved by Landscape Architect.

es, groundcover, annuals) shall be planted a minimum of 12 inches um of 6 inches from edge of pavement, except as approved by

for plant materials within each species and size designated on the

directed by Landscape Architect.

d lawns shall be flush and meet smoothly and evenly with adjacent e. Shovel V-cut edges shall be provided at planting area transitions to allow for mulch installation.

er between planting beds and lawn areas. If not edging indicated



TABLE C	OF ABBREVIATION	S
AL.	ALIGN	MEMB
APPROX	APPROXIMATE	MH
ARCH	ARCHITECT	MIN
AVG	AVERAGE	MISC
3&B	BALLED AND BURLAPPED	MTD
BC	BOTTOM OF CURB	MTL
3F	BOTTOM OF FOOTING	N
BLDG	BUILDING	NIC
3M 2OC		
SRG	BEARING	00
BS	BOTTOM OF STEP	OD
3W	BOTTOM OF WALL	OPP
CAL	CALIPER	PAR
CAP	CAPACITY	PC
CF	CUBIC FEET	PE
CHAM	CHAMFER	PERF
CIP	CAST IN PLACE	PED
CJ	CONTROL JOINT	PI
COMP	COMPACTED	PVR
CONC	CONCRETE	QTY
CONST	CONSTRUCTION	R
CONT	CONTINUOUS	RECEP
CONTR	CONTRACTOR	REF
CU	CUBIC	REINF
CY	CUBIC YARD	REM
DBL	DOUBLE	REQ'D
	DIRECTION OF FLOW	REV
		ROW
		S S
DIM	DIMENSION	SAN
DTL	DETAIL	SCH
DWG	DRAWING	SD
E	EAST	SEC
ĒA	EACH	SF
EJ	EXPANSION JOINT	SHT
EL	ELEVATION	SI
ELEC	ELECTRICAL	SIM
-NG	ENGINEER	SNI
		SPEUS
		SQ ST
= W	FACH WAY	SY
EXIST	EXISTING	STA
ХР	EXPANSION, EXPOSED	STD
F	FINISHED FLOOR ELEVATION	STL
G	FINISHED GRADE	STRL
IN	FINISH	SYM
L	FLOW LINE	T&B
-OC	FACE OF CURB	TBC
-	FOOI (FEEI)	
	FOUTING	
	GENERAL CONTRACT(OR)	TOPO
GEN	GENERAL	TSI
IORIZ	HORIZONTAL	TRAS
IP	HIGH POINT	TR
ΗT	HEIGHT	TS
D	INSIDE DIAMETER	TW
NV	INVERT ELEVATION	TYP
N	INCH(ES)	VAR
NCL	INCLUDE(D)	VERT
NL		VEH
KK IT		
IN		W/O
F		WT
 .P	LOW POINT	WI
 .T	LIGHT	WWF
ИATL	MATERIAL	YD
ЛАХ	MAXIMUM	@

# MEMB MEMBRANE MH MANHOLE MIN MINIMUM MISC MISCELLANEOUS MTD MOUNTED MTL METAL N NORTH NIC NOT IN CONTRACT NOM NOMINAL NTS NOT TO SCALE OC ON CENTER

(6)

NOT IN CONTRACT NOT TO SCALE ON CENTER OUTSIDE DIAMETER OPPOSITE PARALLEL POINT OF CURVATURE POLYURETHANE PERFORATED PEDESTRIAN POINT OF INTERSECTION PROPERTY LINE POINT, POINT OF TANGENCY POLYVINYL CHLORIDE PAVEMENT PAVER QUANTITY RADIUS RECEPTACLE REFERENCE REINFORCE(D) REMOVE REQUIRED **REVISION, REVISED** RIGHT OF WAY RIGHT SOUTH SANITARY SCHEDULE STORM DRAIN SECTION SQUARE FOOT (FEET) SHEET STORM INLET SIMILAR SEALANT SPECIFICATIONS SQUARE STORM SEWER SQUARE YARD STATION STANDARD STEEL STRUCTURAL SYMMETRICAL TOP AND BOTTOM TOP OF BACK CURB TOP OF CURB TOP OF FOOTING THICK TOP OF CONCRETE TOPOGRAPHY TOP OF SLAB TRANSFORMER TOP OF RAMP TOP OF STEP TOP OF WALL TYPICAL VARIES VERTICAL VEHICLE VOLUME WITH WITHOUT WEIGHT WEIR LEVEL WELDED WIRE FABRIC YARD AT

# LINE SYMBOL LEGEND

PROPOSED		EXISTING
	<ul> <li>Property Line</li> </ul>	
	- Easement Line	
	<ul> <li>Limit of Scope of Work</li> </ul>	
x x x	- Fence	x x x
	Curb and Gutter	
	- Roof Overhang	
	<ul> <li>Edge of Below Grade Structure</li> </ul>	
820	- Major Contour	<u> </u>
822	- Minor Contour	
Е	- Buried Electric Line	E
OHP	- Overhead Power Line	OHP
GAS	- Gas Line	GAS
SS	- Sanitary Service	SS
ST	- Storm Drain Line	ST
w	- Water Line	W
	- Edge of Pavement	

8

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> 22860 Two Rivers Road Basalt, Colorado 81621 (970) 925-8354

W W W.D E S I G N W O R K S H O P.C O M

# IMPROVEMENTS FRUITA, CO

# FOR CONSTRUCTION

ISSUE DA	TE: AUGUS	ST 4TH, 2023
REVISION	IS	
00%	6 CO DOC	_ REVIEWED: <u>MS\DC\JF</u> NSTRUCTIO CUMENT
100%		NSTRUCTIO CUMENT
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SHEET NUMBER

L0-03

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-	1 2	)	3	I	4		(5)	6	(7)
PLA	NT PROTECTION AND REMOVA	L LEGEND	PLANT LIS	т					SAMPLE KEYNOT
	TREE TO BE REMOVED		ABBR. QTY.	BOTANICAL NAME	COMMON NAME	TYPE SIZE S	SPACING NOTES		
			DECIDUOUS TREES CS-3 5 MA-3 4	Catalpa speciosa Morus alba 'fruitless'	Western Catalpa Fruitless Mulberry	B&B 3" CAL. / B&B 3" CAL. /	As Shown Full Specimens, Straight Trunks As Shown Full Specimens, Straight Trunks		
			SHRUBS	Cornus sericea	Red Twig Dogwood	B&B 5" CAL	As Shown Full Specimens, Straight Trunks		
	TREE PROTECTION FENCE		GROUNDCOVERS/ F	PERENNIALS/ ORNAMENTAL GR Boeteloua gracilis	ASSES	1 GAL. 2	24" O.C.		SITE DETAIL KEY
	EXISTING PLANTING AREA TO BE REMOVED	0	NL-1 80 PA-1 301	Nepeta 'Little Trudy' Perovskia atriplicifolia	Catmint 'Little Trudy' Russian Sage	1 GAL. 2 1 GAL. 3	24" O.C. 36" O.C.		$\langle 1.0 \rangle$ PAVEMENTS, RAMPS
	EXISTING MULCH TO BE REMOVED		TURF GRASSESSO-18,110 SF	<i>Buffalo Brand Dura-Turf Plu</i> 80% Tall Fescue Blend, Em	<i>us (Seed)</i> nerald III Blend				1.1 STONE PAVING TY Planting Joints
				10% Perennial Ryegrass 10% Kentucky Bluegrass, A	viator II			KEYNOTE HEADING (PROPOSED IMPROVEMENT SYSTEM)	
SITE	MATERIALS LEGEND		TREE REM	IOVAL SUMMAR	Y CHART			KEYNOTE CALL OUT	PRIMARY KEYN
	CAST-IN-PLACE PEDESTRIAN RATED CONCI	RETE PAVING -	TREE TYPE TO	TAL CALIPER INCHES (DBH)				ITEM AND BRIEF DESCRIPTION	ADDITIONAL DETAIL R
	CAST-IN-PLACE VEHICULAR RATED CONCR	ETE PAVING -	Coniferous0"Deciduous62.GRAND TOTAL62.	0" 0"					(COMPOSITE) ELEVATIONS, OTHEF ELEVATIONS OR 3D
	REFER TO CIVIL ENGINEER'S DRAWINGS.		NOTE: Refer to Plant List for	proposed trees and caliper inches.					AND/OR TRA CONNECTIO NOTE: MULTIPLE DETA
	CRUSHED STONE PAVING								SPECIFICATION
	MULCH								(CSI SECTION NUME FORMAT 200 JURISIDICTIONAL REC
	SAND								NOT SPECIFICATIO R
									THIS DRAWING SET:
OO	FENCE								2.0 JOINTING 3.0 STEPS 4.0 SITE WALLS/EMBANK
	O PROPOSED LIGHTING TYPE 1 A&B								5.0 SITE FURNITURE 6.0 RAILINGS, BARRIERS 7.0 SITE LIGHTING
									8.0 DRAINAGE 9.0 PLANTING AND LAND 10.0 MISCELLANEOUS ELE
BOU	LDER LEGEND								11.0 PLANT PROTECTION NOTE: IF A KEYNOTE HEAD
TYPE	1 Estir	mated Boulders Needed							PROJECT, A NOT USED AT PROVIDED.
- ~	Approximately 1 Ton	9							SAMPLE REFERENCE NOT
									5
	Approximately 3-4 Ton	9							
٦ ا									"X" REFERENCE NOTES
	NTING LEGEND								Final location of path to be de
(Ŧ	PROPOSED DECIDUOUS TREE								SERIES SPE (SUPPLEME
	TURF								ITEMS TO B REFERENC
-	PROPOSED ORNAMENTAL GRASS - BLUE G	RAMA							NOTE: "X" R
									REFERENC NOTES FOR MAY APPEA
	PROPOSED PERENNIAL - CATMINT								
	PROPOSED PERENNIAL - RUSSIAN SAGE								PLANT IDENTIFIC
		חנ							(3) CSI-5
-									Q
									NOTE: PLANT ABBREVIATION ON PL SHOULD CORRESPOND WITH ABBR
									GALLON CONTAINER)

3

2

KEYNOTE HEADINGS (PROPOSED HAVE BEEN INCORPORATED WITHIN

# E DRAWING CALLOUT:





# ATION KEY



 $\overline{\mathbf{7}}$ 

PLANT IDENTIFICATION KEY BREVIATION ON PLANT LIST ORNUS SERICEA 'ISANTI', 5

5



9

# **E DRAWING CALLOUT:**



AND CURBS

KMENTS

, AND FENCING

DSCAPE EMENTS

DING IS NOT INCORPORATED IN T THIS TIME" REFERENCE HAS BEEN

> Where multiple instances occur on the same sheet, TYP. added to indicate 'Typical' so only plan labeled/annotated once.

etermined in field under direction of Landscape Architect.

PECIFIC REFERENCE NOTE ENTAL TO KEYNOTES. TYPICALLY DESCRIBES BE CONSIDERED DURING CONSTRUCTION. MAY CE A DETAIL OR SPECIFICATION OR BOTH).

REFERS TO DRAWING SERIES (i.e. SITE DEMOLITION E NOTES). THERE SHOULD BE SPECIFIC REFERENCE R EACH DRAWING SERIES. HOWEVER, SOME NOTES AR ON MULTIPLE SERIES AS APPLICABLE.

8

PLANT SIZE (i.e. CALIPER R HEIGHT) PLANT ABBREVIATION 2-3 LETTERS, TYPICALLY FIRST ETTER FROM PLANT'S OTANICAL FIRST AND LAST

\*SHEET SHOULD BE PRINTED IN COLOR.

9

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W W W . D E S I G N W O R K S H O P . C O M



# FOR CONSTRUCTION

ISSUE D	ATE: AUGUST	41H, 2023
REVISIO	NS	
DRAWN:	<u>52 ( 00</u>	KEVIEWED: MO ( DC ( )I

# **100% CONSTRUCTION** DOCUMENT

PROJECT NUMBER: 6961

GENERAL INFORMATION SHEET

SHEET NUMBER

L0-04

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W W W . D E S I G N W O R K S H O P . C O M



# FOR CONSTRUCTION

ISSUE D	ATE: AUGUST	4TH, 2023
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DRAWN:	JZ \ CC	REVIEWED: MS \ DC \ JF

# **100% CONSTRUCTION** DOCUMENT

PROJECT NUMBER: 6961

SITE IRRIGATION ZONE PLAN SHEET NUMBER L0-06

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SITE KEYNOTES:	DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION	Landscape Architecture • Land Planning
11.0 PLANT PROTECTION				<b>Urban Design • Tourism Planning</b> Aspen • Austin • Chicago • Denver • Houston Lake Tahoe • Los Angeles • Raleigh
11.1 I ree Protection Fence	1 / L10-02		U15639	22860 Two Rivers Road
PLANT PROTECTION & REMOVAL REFERE				Basalt, Colorado  81621 (970) 925-8354
<ul> <li>Existing tree to remain. Protect in place. Do not district a suitable fill. Provide positive drainage.</li> <li>Existing lawn to remain. Protect in place. Do not district a suitable fill. Provide positive drainage.</li> <li>Existing planting area to be removed. Include but not edging, and mulch.</li> <li>Sidewalk to be removed in Add Alternates. See Civit</li> </ul>	unps and roots. Fill de turb. ot limited to: Irrigation S I's dwgs.	pression with System, vegeta	ation,	W W W.D E S I G N W O R K S H O P.C O M
				<b>REED PARK</b> <b>IPROVEMENTS</b> FRUITA, CO
				FOR CONSTRUCTION
				ISSUE DATE: <u>AUGUST 4TH, 2023</u> REVISIONS
				DRAWN: <u>JZYCC</u> REVIEWED: <u>MSYDCYJF</u> 100% CONSTRUCTION DOCUMENT PROJECT NUMBER: 6961
	MMM -	MM		PLANT PROTECTION AND REMOVAL PLAN
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SITE KEYNOTES:	DETAIL / RELA SHEET DETA	TED SPEC. ILS SECTION	<b>DESIGN</b> WORKSHOP Landscape Architecture • Land Planning Urban Design • Tourism Planning
PLANT PROTECTION           11.1         Tree Protection Fence	1 / L10-02	015639	Aspen • Austin • Chicago • Denver • Houston Lake Tahoe • Los Angeles • Raleigh
PLANT PROTECTION & REMOVAL REFER	RENCE NOTES		22860 Two Rivers Road Basalt, Colorado  81621 (970) 925-8354
<ol> <li>Existing tree to remain. Protect in place. Do not d</li> <li>Existing deciduous tree to be removed, including suitable fill. Provide positive drainage.</li> <li>Existing lawn to remain. Protect in place. Do not d</li> <li>Existing planting area to be removed. Include but edging, and mulch.</li> <li>Sidewalk to be removed in Add Alternates. See C</li> </ol>	listurb. stumps and roots. Fill depression disturb. not limited to: Irrigation System, Civil's dwgs.	n with vegetation,	W W W.D E S I G N W O R K S H O P.C O M
			<b>REED PARK</b> <b>IPROVEMENTS</b> FRUITA, CO
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4509		w w i i i i i i i i i i i i i i i i i i	FOR CONSTRUCTION
			ISSUE DATE: <u>AUGUST 4TH, 2023</u> REVISIONS
			DRAWN: JZ\CC REVIEWED:MS\DC\JF
			100% CONSTRUCTION DOCUMENT
			PLAIN I PROTECTION AND REMOVAL PLAN (ADD ALTERNATE)
General Information Sheets L0-03 and L0-04 eral and Series Specific Notes, Legends, ations, Lists, Schedules.			L1-02
NORTH	0 10' 20' ORIGINAL SCALE: 1"=20'	40'	© COPYRIGHT DESIGNWORKSHOP, INC.

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SITE	<u>E KE</u>	YNOTES:		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	PAVE	EMENTS, EDGING				
	1.1 1.2 1.3 1.4A 1.4B	Crushed Stone Paving Engineered Mulch Surfacing Metal Edging Poured-in-Place Rubber Surface Poured-in-Place Rubber Surface	, Type 1A , Type 1B	1 / L7-01 2 / L7-01 3 / L7-01 4 / L7-01 5 / L7-01		321540 321816.13 329300 321816.13 321816.13
2.0	JOIN	TING				
/	Refer to	o Civil's Drawings.				321313
3.0	STEP	<b>'S</b> luded at This Time				321313
4.0	SITE	WALLS/ EMBANKMENT	S			
5.0	SITE	FURNITURE				
	5.1 5.2 5.3	Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack		1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	323300 323300 323300
6.0	RAIL	INGS, BARRIERS, FENC	ING			
	6.1	Fence		1 / L7-03		323119
7.0	SITE	LIGHTING				
8.0	DRAI			2 / L7-03		000000
	Not incl	uded at this time				
9.0	PLAN	ITING AND LANDSCAPE				
	Refer to	Tree Planting and Shrub and Gro	undcover Series D	rawings		
10.0	MISC	ELLANEOUS ELEMENT	S			
	10.2	Horseshoe Pit		1 / L7-04 2 / L7-04		044300.13 116800.13
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		PAV				
		16				
		11				
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NOTE

Refer to General Information Sheets L0-03 and L0-04 for General and Series Specific

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NORTH

0 10' 20'

ORIGINAL SCALE: 1"=20'

Notes, Legends, Abbreviations, Lists, Schedules.

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40' ©COPYRIGHT DESIGNWORKSHOP, IN

![](_page_10_Figure_0.jpeg)

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	<b>i</b>			SITE M	ATERIALS REF		5	
				PA	Planting Area			
					Existing sidewalk to re	emain. Protect in place.		
				2	Existing utilities. Protect	ect in place.		
				4	Existing curb and gut	ter. See Civil Drawings.		
				5	Wheel Park. See Whe	eel Park Designer's Dra	wings	
				6	Existing pavilion. Prot	tect in place. lected by owner. Not in	cluded in scope of wo	rk
				8	Existing pump house.	. Protect in place.		
				9	All play equipments s	elected by owner. See	Playground Designer's	s Drawings.
				10	MUSCO Mini-Pitch S	ports Court, Owner prov	vided. Not included in	scope of work. See Civil
- GAS	SA0 SA0	<u>549 549</u>	SA9	(11)	Existing drinking foun	tain to remain. Protect i	n place.	
	· · · · · · · · · · · · · · · · · · ·			12	Existing lighting to rer	main. Protect in place.		
				13	Electrical box for MUS	SCO Sport Court. See N	IEP Drawings.	
				(14)	Proposed location for Proposed location for	20 amp electrical box.	See MEP Drawings. See MEP Drawings.	
				16	Pavilion, Owner provi	ded. Structure and four	idation not included in	scope of works.
87 - 87				17	Vehicular Cast-In-Pla	ce Concrete Paving. Se	ee Civil Engineer's dra	wings.
					Pedestrian Cast-In-Pl	ace Concrete Paving. S	See Civil Engineer's dr	awings.
				19	Existing pet waste sta	ation to be relocated he	·e.	
			_					
							ROJECT SCOPE OF	WORK (TYP.)
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5.1 TYP OF 4.								
<b>18)</b> TYP.								
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ADD ALTERNATE								
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SITI	E KE	EYNOTES:	DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
(1.0)	PAV	EMENTS, EDGING			
	1.1 1.2 1.3 1.4A 1.4B	Crushed Stone Paving Engineered Mulch Surfacing Metal Edging Poured-in-Place Rubber Surface, Type 1A Poured-in-Place Rubber Surface, Type 1B	1 / L7-01 2 / L7-01 3 / L7-01 4 / L7-01 5 / L7-01		321540 321816.13 329300 321816.13 321816.13
2.0	JOIN	ITING			
	Refer t	to Civil's Drawings.			321313 321313
3.0	Not Inc	PS cluded at This Time			
<b>4.0</b>	SITE	WALLS/ EMBANKMENTS			
	Not Inc	cluded at This Time			
5.0	SITE	FURNITURE			
	5.1 5.2 5.3	Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack	1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	323300 323300 323300
6.0	RAIL	INGS, BARRIERS, FENCING			
7.0	6.1 SITE	Fence	1 / L7-03		323119
	7.1	Lighting Type 1	2 / L7-03		000000
<b>8.0</b>	DRA	INAGE			
	Not inc	cluded at this time			
9.0	PLA Defect	NTING AND LANDSCAPE	Drowingo		
	MISC		s Drawings		
	10.1 10.2	Landscape Boulder Horseshoe Pit	1 / L7-04 2 / L7-04		044300.13 116800.13

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![](_page_10_Picture_10.jpeg)

# **100% CONSTRUCTION** DOCUMENT

PROJECT NUMBER: 6961 SITE MATERIALS PLAN ADD ALTERNATE SHEET NUMBER L3-02 ©COPYRIGHT DESIGNWORKSHOP, INC.

![](_page_10_Figure_13.jpeg)

![](_page_11_Figure_0.jpeg)

![](_page_11_Picture_14.jpeg)

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Basalt, Colorado 81621

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![](_page_12_Figure_0.jpeg)

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		LIMIT OF PROJECT SCOPE O	F WORK (TYP.)
ADD ALTERNATE			
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# SITE LAYOUT REFERENCE NOTES

**1** Existing dog waste station to be relocated here.

2 Connect to existing sidewalk smoothly.

**3** Final layout to be determined in field by Landscape Architect.

**4** Wheel Park layout and dimension, see Wheel Park Designer drawings.

![](_page_12_Picture_16.jpeg)

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![](_page_12_Figure_20.jpeg)

IMPROVEMENTS FRUITA, CO

# FOR CONSTRUCTION

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PROJECT NUMBER: 6961

![](_page_12_Picture_26.jpeg)

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![](_page_13_Figure_0.jpeg)

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![](_page_13_Figure_8.jpeg)

![](_page_13_Picture_9.jpeg)

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2 / L7-04

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K	EYNOTES:	DETAIL / SHEET	RELATED DETAILS	SPE SECT
PAV	EMENTS, EDGING			
1.1	Crushed Stone Paving	1 / L7-01		3215
1.2	Engineered Mulch Surfacing	2 / L7-01		321816
1.3	Metal Edging	3 / L7-01		329
1.4A	Poured-in-Place Rubber Surface, Type 1A	4 / L7-01		321816
1.4B	Poured-in-Place Rubber Surface, Type 1B	5 / L7-01		321816
JOIN	ITING			
Refer	to Civil's Drawings.			321
STE	PS			321
Not In	cluded at This Time			
SITE	WALLS FMBANKMENTS			
SITE	FURNITURE			
5.1	Prefabricated Bench			
5.2	Prefabricated ADA Picnic Table	1 / L7-02		323
5.3	Bike Rack	2 / L7-02		323
		3 / L7-02	4 / L7-02	323
RAIL	INGS, BARRIERS, FENCING			
6.1	Fence	–		
SITE	LIGHTING	1 / L7-03		323
7.1	Lighting Type 1			
DRA	INAGE	2 / L7-03		000
Not in	cluded at this time			
PLA	NTING AND LANDSCAPE			
Refer	to Tree Planting and Shrub and Groundcover S	Series Drawings		
MISC				
	ELLANEOUS ELEMENTS			
10.1	Landscape Boulder			

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![](_page_14_Figure_0.jpeg)

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![](_page_14_Figure_7.jpeg)

10.2 Horseshoe Pit

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	EYNOTES:	SHEET	DETAILS	SPEC
PAV	EMENTS, EDGING			
1.1	Crushed Stone Paving	1 / L7-01		32154
1.2	Engineered Mulch Surfacing	2 / L7-01		321816.
1.3	Metal Edging	3 / L7-01		3293
1.4A	Poured-in-Place Rubber Surface, Type 1A	4 / L7-01		321816.
1.4B	Poured-in-Place Rubber Surface, Type 1B	5 / L7-01		321816
JOIN	ITING			
Refer	to Civil's Drawings.			3213
STE	PS			3213
Not In	cluded at This Time			
	FURNITURE			
<b>SITE</b> 5.1	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table	1/17-02		3233
5.1 5.2	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Back	1 / L7-02 2 / L7-02		3233
5.1 5.2 5.3	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack	1 / L7-02 2 / L7-02 3 / L7-02	4/L7-02	3233 3233 3233
5.1 5.2 5.3 <b>RAII</b>	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack LINGS, BARRIERS, FENCING	1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	3233 3233 3233
5.1 5.2 5.3 <b>RAII</b> 6.1	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack INGS, BARRIERS, FENCING Fence	1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	3233 3233 3233
SITE 5.1 5.2 5.3 RAII 6.1 SITE	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack LINGS, BARRIERS, FENCING Fence LIGHTING	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03	4 / L7-02	3233 3233 3233 3233
SITE 5.1 5.2 5.3 <b>RAII</b> 3.1 SITE 7.1	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack INGS, BARRIERS, FENCING Fence LIGHTING Lighting Type 1	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03	4 / L7-02	3233 3233 3233 3233
SITE 5.1 5.2 5.3 <b>RAII</b> 6.1 5.1 5.1 5.1 5.1 7.1 DRA	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack INGS, BARRIERS, FENCING Fence LIGHTING Lighting Type 1	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	3233 3233 3233 3233 3231
SITE 5.1 5.2 5.3 RAII 5.1 5.1 5.1 5.1 5.1 7.1 DRA Not in	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack INGS, BARRIERS, FENCING Fence LIGHTING Lighting Type 1 INAGE cluded at this time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	3233 3233 3233 3233 3231
SITE 5.1 5.2 5.3 RAII 5.1 5.1 5.2 5.3 RAII 5.1 7.1 DRA Not in PLA	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack  LINGS, BARRIERS, FENCING Fence  LIGHTING Lighting Type 1  INAGE cluded at this time NTING AND LANDSCAPE	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	3233 3233 3233 3231 00000
SITE 5.1 5.2 5.3 <b>RAII</b> 6.1 5.1 5.1 5.1 7.1 <b>DRA</b> Not in <b>PLA</b> Refer	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack  INGS, BARRIERS, FENCING Fence  LIGHTING Lighting Type 1  INAGE cluded at this time NTING AND LANDSCAPE to Tree Planting and Shrub and Groundcover Series	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	3233 3233 3233 3233 3231
SITE 5.1 5.2 5.3 RAII 5.1 5.1 5.1 5.1 5.1 5.1 5.1 5.1	FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack INGS, BARRIERS, FENCING Fence IIGHTING Lighting Type 1 INAGE cluded at this time NTING AND LANDSCAPE to Tree Planting and Shrub and Groundcover Series CELLANEOUS ELEMENTS	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	3233 3233 3233 3233 3234

1 / L7-04 2 / L7-04

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NOTE:

— 1 <sup>1</sup>/<sub>2</sub>" BIKE RACK

FINISHED SURFACE, SEE CIVIL'S DWGS.

RECOMMENDATIONS.

CONCRETE FOOTER PER MANUFACTURER'S

5.3

![](_page_15_Figure_0.jpeg)

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![](_page_15_Figure_2.jpeg)

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![](_page_15_Figure_3.jpeg)

![](_page_15_Figure_4.jpeg)

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![](_page_15_Figure_7.jpeg)

![](_page_15_Picture_8.jpeg)

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K	EYNOTES:	DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
PAV	EMENTS, EDGING			
1.1	Crushed Stone Paving	1 / L7-01		321540
1.2	Engineered Mulch Surfacing	2 / L7-01		321816.13
1.3	Metal Edging	3 / L7-01		329300
1.4A 1.4B	Poured-in-Place Rubber Surface, Type 1A Poured-in-Place Rubber Surface, Type 1B	4 / L7-01 5 / L7-01		321816.13 321816.13
JOIN	ITING			
Refer 1	to Civil's Drawings.			321313
STEI	PS			321313
Not Inc	cluded at This Time			
OITE				
SIIE	cluded at This Time			
SITE	FURNITURE			
5.1	Prefabricated Bench			
5.2	Prefabricated ADA Picnic Table	1 / L7-02		323300
5.3	Bike Rack	2/L7-02	4/17.00	323300
RAIL	INGS. BARRIERS. FENCING	3/L7-02	4/L7-02	323300
6.1	Fence			
SITE		1 / L7-03		323119
7.1	Lighting Type 1			
DRA	INAGE	2 / L7-03		000000
Not inc	cluded at this time			
PLA	NTING AND LANDSCAPE			
Refer	to Tree Planting and Shrub and Groundcover Series	s Drawings		
MISC	CELLANEOUS ELEMENTS			
10.1	Landscape Boulder			
10.2	Horseshoe Pit	1 / L7-04		044300.13
		2 / L7-04		116800.13

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PROJECT NUMBER: 6961

![](_page_15_Picture_23.jpeg)

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L7-03

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 $-6\frac{3}{4}$ " RADIUS BOLT CIRCLE

- <sup>3</sup>/<sub>4</sub>" x 30" x 3" ANCHOR BOLT, TYP.

- FIXTURE LOCATION

- ACCESS COVER LOCATION

ELEVATION

**(7.1)** 

![](_page_16_Figure_0.jpeg)

![](_page_16_Figure_1.jpeg)

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	KEYNOTES:	DETAIL / SHEET	RELATED DETAILS	SPEC. SECTIO
1.0 PA	<b>AVEMENTS, EDGING</b>			
	Crushed Stone Paving	1 / L7-01		32154
1.2	Engineered Mulch Surfacing	2 / L7-01		321816.1
1.3	Metal Edging	3 / L7-01		32930
1.4 1.4	A Poured-in-Place Rubber Surface, Type 1A B Poured-in-Place Rubber Surface, Type 1B	4 / L7-01 5 / L7-01		321816.1 321816.1
) IC	DINTING			
Ret	fer to Civil's Drawings.			32131
∖ sז	EPS			32131
/ Not	t Included at This Time			
Not	t Included at This Time			
Not	t Included at This Time <b>TE FURNITURE</b> Prefabricated Bench			
Not <b>SI</b> 5.1 5.2	t Included at This Time <b>TE FURNITURE</b> Prefabricated Bench Prefabricated ADA Picnic Table	1 / L7-02		32330
Not 5.1 5.2 5.3	t Included at This Time <b>TE FURNITURE</b> Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack	1 / L7-02 2 / L7-02		32330 32330
Not	t Included at This Time TE FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack NI INGS, BARRIERS, FENCING	1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	32330 32330 32330
Not SI 5.1 5.2 5.3 R4 6.1	t Included at This Time TE FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack AILINGS, BARRIERS, FENCING Fence	1 / L7-02 2 / L7-02 3 / L7-02	4 / L7-02	32330 32330 32330
Not $ \begin{array}{c}  SI' \\ 5.1 \\ 5.2 \\ 5.3 \\ \hline  R4 \\ 6.1 \\ \hline  SI' $	t Included at This Time TE FURNITURE Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack AILINGS, BARRIERS, FENCING Fence TE LIGHTING	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03	4 / L7-02	32330 32330 32330 32311
Not SI 5.1 5.2 5.3 R4 6.1 SI 7.1	t Included at This Time  TE FURNITURE  Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack  AILINGS, BARRIERS, FENCING Fence  TE LIGHTING Lighting Type 1	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03	4 / L7-02	32330 32330 32330 32311
Not 0 SI 5.1 5.2 5.3 0 R4 6.1 0 SI 7.1 0 DF	t Included at This Time  TE FURNITURE  Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack  AILINGS, BARRIERS, FENCING Fence  TE LIGHTING Lighting Type 1  RAINAGE	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	32330 32330 32330 32311 00000
Not .0 SI 5.1 5.2 5.3 .0 R/ 6.1 .0 SI 7.1 .0 DF Not	t Included at This Time  TE FURNITURE  Prefabricated Bench Prefabricated ADA Picnic Table Bike Rack  AILINGS, BARRIERS, FENCING Fence  TE LIGHTING Lighting Type 1  RAINAGE t included at this time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	32330 32330 32330 32311 00000
Not Not 0 SI' 5.1 5.2 5.3 0 R/ 6.1 0 SI' 7.1 0 DF Not 0 PL	t Included at This Time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03	4 / L7-02	32330 32330 32311 32311
Not 5.0 SI 5.1 5.2 5.3 6.0 R/ 6.1 6.1 7.1 7.1 7.1 7.1 8.0 DF Not Ref	t Included at This Time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03 s Drawings	4 / L7-02	32330 32330 32330 32311 00000
Not 5.0 SI 5.1 5.2 5.3 6.0 R/ 6.1 6.1 7.1 .0 SI 7.1 .0 DF Not Not Not Not .0 R/ .0 SI .0 R/ .0 SI .0 NOT .0 NOT .0 SI .0 NOT .0 NOT	t Included at This Time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03 s Drawings	4 / L7-02	323300 323300 323300 323119 000000
Not .0 SI 5.1 5.2 5.3 .0 R/ 6.1 .0 SI 7.1 .0 DF Not .0 PL Ref 10. Not	t Included at This Time	1 / L7-02 2 / L7-02 3 / L7-02 1 / L7-03 2 / L7-03 s Drawings	4 / L7-02	32330 32330 32330 32311 000000

![](_page_16_Picture_12.jpeg)

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W W W . D E S I G N W O R K S H O P . C O M

![](_page_16_Picture_16.jpeg)

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![](_page_16_Figure_17.jpeg)

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![](_page_16_Picture_18.jpeg)

![](_page_17_Figure_0.jpeg)

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![](_page_17_Picture_13.jpeg)

# FOR CONSTRUCTION

ISSUE DATE: AUGUST	4TH, 2023
REVISIONS	
DRAWN: JZ\CC	REVIEWED: MS \ DC \ JF

# 100% CONSTRUCTION DOCUMENT

PROJECT NUMBER: 6961

PLANTING PLAN

SHEET NUMBER

L8-01

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![](_page_18_Figure_0.jpeg)

4	5		6	I	7

ABBR.	BOTANICAL NAME	COMMON NAME	SPACING
DECIDUOL	JS TREES		
CS-3	Catalpa speciosa	Western Catalpa	As Shown
MA-6	Morus alba 'fruitless'	Fruitless Mulberry	As Shown
SHRUBS			
CR-5	Cornus sericea	Red Twig Dogwood	As Shown
GROUNDC	OVERS/ PERENNIALS/ ORNAME	NTAL GRASSES	
BG-1	Boeteloua gracilis	Blue Grama	24" O.C.
NL-1	Nepeta 'Little Trudy'	Catmint 'Little Trudy'	24" O.C.
PA-1	Perovskia atriplicifolia	Russian Sage	36" O.C.
TURF GRA	SS		
SO-1	Buffalo Brand Dura-Turf Plus 80% Tall Fescue Blend, Emer 10% Perennial Ryegrass 10% Kentucky Bluegrass, Avia	Turf Grass rald III Blend ator II	As Shown

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![](_page_18_Picture_14.jpeg)

# FOR CONSTRUCTION

ISSUE D	ATE: <u>AUGUST</u>	4TH, 2023
REVISIO	NS	
DRAWN:	JZ \ CC	REVIEWED: <u>MS \ DC \</u> JF

# 100% CONSTRUCTION DOCUMENT

PROJECT NUMBER: 6961

![](_page_18_Picture_19.jpeg)

![](_page_19_Figure_0.jpeg)

### — TIES WITH TREE STRAPS

- STAKES, POSITION DETERMINED BY PREVAILING HIGH WIND CONDITIONS. FINAL ORIENTATION TO BE APPROVED IN THE FIELD BY THE LANDSCAPE ARCHITECT.

- TOP OF ROOT BALL SHALL BE 1" ABOVE FINISHED GRADE. ROUND-TOPPED SOIL BERM (4" HIGH X 8" WIDE) SHALL BE CONSTRUCTED AROUND THE ROOT BALL PERIPHERY. WHEN PLANTED IN AN IRRIGATED AREA, THE SOIL BERM WILL BE REMOVED AT THE TIME OF SUBSTANTIAL - 4" OF MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. NO MULCH WITHIN 3" OF THE TRUNK.

- HAND DIG PIT AND ANGLE EDGES. SCARIFY TO REMOVE

LOOSEN SOIL. DIG AND TURN THE SOIL TO REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN. NO PLANTING SOIL SHALL COVER THE TOP OF THE ROOT BALL.

STABILIZE AND PLUMB THE TREE BY FIRMING A COMPACTED RING (APPROX. 3" BY 3" WIDE) OF BACKFILL SOIL AROUND

BASKET FROM TOP <sup>2</sup>/<sub>3</sub> OF ROOT BALL. REMOVE BURLAP - BOTTOM OF ROOT BALL RESTS ON EXISTING OR

 $\langle 9.1 \rangle$ 

![](_page_19_Figure_16.jpeg)

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![](_page_19_Picture_17.jpeg)

EQUAL DISTANT SPACING. VARIES

### - EQUAL DISTANT SPACING. VARIES BY PLANT TYPE. SEE PLANT LIST.

ORNAMENTAL GRASS, TYP. - EDGE OF PLANTING BED (SEE PLAN)

ORNAMENTAL GRASS, TYP. - 4" LAYER OF MULCH. NO MORE THAN 1" OF MULCH ON TOP OF ROOT BALL. NO MULCH WITHIN 3" OF THE BASE OF THE STEM. WEED BARRIER FABRIC, CUT TO FIT AROUND PLANT - FINISHED GRADE

- ROOT BALL

LOOSEN SOIL. DIG AND TURN THE SOIL TO REDUCE COMPACTION TO THE AREA AND DEPTH SHOWN. NO PLANTING SOIL SHALL COVER THE TOP OF THE ROOT BALL.

6

- SCARIFY SUBGRADE - EXISTING SUBGRADE

![](_page_19_Picture_24.jpeg)

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SITE	<u>e k</u> e	EYNOTES:	DETAIL / RE SHEET DI	LATED SPEC. ETAILS SECTION
9.0	<u>PLA</u>	NTING AND LANDSCAPE		
	9.1	Deciduous Tree Planting	1 / L11-01	329300
	9.2	Perennial Planting	2 / L11-01	329300
	9.3	Ornamental Grass Planting	3 / L11-01	329300
	9.4	Turf	1 / L11-02	329200
	9.5	Vcut Edging	2 / L11-02	329300
11.0	<u>PLA</u>	NTING PROTECTION		
	11.1	Tree Protection Fence	3 / L11-02	015639

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W W W . D E S I G N W O R K S H O P . C O M

![](_page_19_Picture_33.jpeg)

2

![](_page_20_Figure_1.jpeg)

3

6

9.5

![](_page_20_Figure_8.jpeg)

![](_page_20_Picture_9.jpeg)

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		8	9	
SITI	E KI	EYNOTES:	DETAIL / RELATE SHEET DETAIL:	D SPEC. S SECTION
9.0	<u>PLA</u>	NTING AND LANDSCAPE		
	9.1	Deciduous Tree Planting	1 / L11-01	329300
	9.2	Perennial Planting	2 / L11-01	329300
	9.3	Ornamental Grass Planting	3 / L11-01	329300
	9.4	Turf	1 / L11-02	329200
	9.5	Vcut Edging	2 / L11-02	329300
11.0	<u>PLA</u>	NTING PROTECTION		
	11.1	Tree Protection Fence	3 / L11-02	015639

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W W W.D E S I G N W O R K S H O P.C O M

![](_page_20_Picture_18.jpeg)

	<u>(</u> )	I	2		3	
	GENERAL NOTES: 1. ALL WORK WITHIN PUB TECHNICAL SPECIFICATIO GRANTOR OF THE EASE 2. ALL MATERIALS AND WO APPROPRIATE GOVERNIN DI ANIS STANDADDO AND	LIC RIGHTS-OF-WA DNS AND DESIGN C MENT. DRKMANSHIP SHALL IG AGENCY. THE CO	Y AND/OR EASEMENT AND RITERIA FOR PUBLIC IMPR BE IN CONFORMANCE WIT ONTRACTOR SHALL HAVE IN	ALL ON-SITE UTILIT OVEMENT PROJECTS TH THE LATEST STAN N HIS POSSESSION A	IY WORK SHALL CONI OF THE CITY OF FRU IDARDS AND SPECIFIC AT ALL TIMES (1) SIC	FORM TO THE JITA AND THE ATIONS OF THE SNED COPY OF THE
3	<ul> <li>OBTAIN WRITTEN APPRC</li> <li>3. THE EXISTING UTILITY L CONTRACTOR WILL BE I FIELD LOCATIONS OF EXISTING AND ELEVAT CONFIRMED BY THE CC THE ENGINEER ANY DIS</li> <li>5. THE CONTRACTOR SHAL EXISTING FIRE HYDRANT</li> <li>6. ANY CONSTRUCTION DE</li> </ul>	VAL FOR ANY VARI, OCATIONS SHOWN RESPONSIBLE FOR XISTING UNDERGROU IONS OF EXISTING NTRACTOR THROUG CREPANCIES BETWE L BE RESPONSIBLE S TAKEN OUT OF BRIS OR MUD DRO	AS AFFINOVED BT THE APPR ANCE TO THE ABOVE DOC ON THE PLANS ARE APPR CALLING THE UTILITY NOTH UND UTILITIES PRIOR TO E IMPROVEMENTS TO BE ME H FIELD EXPLORATIONS PF EEN HIS MEASUREMENTS A E FOR NOTIFYING THE APP SERVICE AT LEAST 48 HOU PPED INTO MANHOLES, INI	UMENTS. OXIMATE AND MAY N FICATION CENTER OF BEGINNING GRADING / T (OR AVOIDED) BY RIOR TO CONSTRUCT ND THESE PLANS. ROPRIATE FIRE DEPA JRS PRIOR TO CONS LETS, PIPES OR TRA	OT INCLUDE ALL LINE COLORADO AT 811 AND UTILITY WORK. WORK TO BE DONE ION. CONTRACTOR SH ARTMENT OF ALL STR STRUCTION.	SHALL BE ALL REPORT TO EET CLOSURES AND ROADWAYS SHALL
-	BE REMOVED IMMEDIATE CAUSED BY HIS CONST IS COMPLETE. 7. EXCEPT FOR MATERIALS 8. NO WORK SHALL BE B CONSTRUCTION HAS BE 9. ALL WORK AND MATERI 10. SHOP DRAWINGS AND M TO PLACEMENT OF MAT	LY BY THE CONTR RUCTION. THE CON CONSTRUCTION. THE CON ACKFILLED (INCLUDI EN INSPECTED AND ALS WILL BE SUBJI MATERIAL SPECIFICA ERIAL.	ACTOR. THE CONTRACTOR TRACTOR SHALL PROPERLY RELOCATED ON THIS PLAN ING BEDDING MATERIAL AB APPROVED FOR BACKFILL ECT TO INSPECTION AND A TIONS SHALL BE SUBMITTE	SHALL REPAIR ANY	EXCAVATIONS OR PAV NSTRUCTION SITE UN TRUCTION MATERIALS VE OF THE PIPE) UN PRIATE GOVERNING AC WNER OR THE OWNE IEER FOR REVIEW AN D. REGULATIONS	EMENT FAILURES ITIL CONSTRUCTION SHALL BE NEW. TIL THE GENCY. RS REPRESENTATIVE. D APPROVAL PRIOR
B	12. ALL ESTIMATES OF QUA RESPONSIBLE FOR DETI THESE PLANS. 13. THE CONTRACTOR SHAL THE GENERAL PUBLIC I NOT LIMITED TO NORMA 14. THE CONTRACTOR SHAL CONSTRUCTION ACTIVITIE	INTITIES ARE FOR I ERMINING ALL QUAN IL BE RESPONSIBLE NCLUDING, BUT NO IL WORKING HOURS IL BE RESPONSIBLE ES TO EQUAL OR E	NFORMATIONAL PURPOSES NTITIES. CONTRACTOR SHAL FOR JOB SITE SAFETY O T LIMITED TO, TRENCH EX FOR REPAIRING ALL EXIS BETTER CONDITION, AT HIS TALLATION OF ALL SITE IM	ONLY. CONTRACTOR L PROVIDE ALL WOR CAVATION AND SHOP STING FEATURES TO OWN EXPENSE. PROVEMENTS (INCLU	AND SUBCONTRACTO K AND MATERIALS AS NEL, ALL VISITORS TO NGS, TRAFFIC CONTF REMAIN THAT ARE DA DING BUT NOT LIMITE	RS SHALL BE S SHOWN ON THE SITE, AND ROL, AND SECURITY MAGED DURING
_	STRUCTURES, PAVING, I PAVEMENT). SITE IMPRO THE OWNER AT NO ADI 16. IF, DURING THE CONST SITUATION IS PRESENT, 17. THE CONTRACTOR SHAL 18. DIMENSIONS SHOWN ON CENTERLINE OF UTILITIE 19. USE ONLY DIMENSIONS AND/OR MISSING INFOF 20. THE CONTRACTOR SHAL FOR THE BUSINESSES	ANDSCAPING, ETC.) VEMENTS DAMAGED DITIONAL COST TO RUCTION PROCESS, THE CONTRACTOR L REMOVE ALL DEE I THE PLANS ARE S, UNLESS OTHER PROVIDED ON THE RMATION. L BE RESPONSIBLE LOCATED ON THOSE	) SUCH THAT NO DAMAGE DURING CONSTRUCTION S THE OWNER. CONDITIONS ARE ENCOUN SHALL CONTACT THE ENG BRIS RESULTING FROM WO TO FACE OF CURB LINE II WISE SPECIFIED. SE PLANS. DO NOT SCALE FOR MAINTAINING ACCESS PARCELS.	IS DONE TO SITE IN SHALL BE REPAIRED ITERED WHICH COULI INEER IMMEDIATELY. RK UNDER THIS CON N CURBED AREA AND E DRAWINGS. INFORM S TO ADJACENT PAR	IPROVEMENTS (I.E.: S OR REPLACED TO TH D INDICATE THAT A P NTRACT TO AN APPRO D EXTERIOR FACE OF I ENGINEER OF ANY CELS DURING ALL HO	AWCUTIING NEW E SATISFACTION OF RIOR UNIDENTIFIED VED DUMP SITE. BUILDING, AND TO DISCREPANCIES DURS OF OPERATION
O	21. CONTRACTOR TO REFER DIMENSIONS OF BUILDIN IMMEDIATELY NOTIFY EN 22. THE CONTRACTOR SHAL JURISDICTION OVER THI ALL TIMES. A COPY OF 23. THE CONTRACTOR IS R THE CONTRACTOR SHAL CONTINUE TO FUNCTION MENTIONED ARE MOVED AREAS ARE PROPERLY 24. THE CONTRACTOR SHAL FROM THE JOB SITE.	IO DRAWINGS ISS IG EXITS, RAMPS, GINEER AND ARCHI L OBTAIN A COPY S PROJECT. A COP ALL APPLICABLE S ESPONSIBLE FOR R L CAP THE EXISTIN I PROPERLY. IN CA OR ADJUSTED TO IRRIGATED & THAT L BE RESPONSIBLE	UED BY THE ARCHITECT, TRUCK DOCKS, UTILITY EN TECT OF ANY DISCREPANC OF THE STANDARD SPECIF Y OF THESE SPECIFICATIO STANDARD DETAILS AND SF EMOVING EXISTING IRRIGAT IG IRRIGATION SYSTEM TO SES WHERE ISLAND, ROAE GRADE, CONTRACTOR SHA IRRIGATION SYSTEM FUNC FOR KEEPING ADJACENT	TRANCE LOCATIONS AND DETAI TRANCE LOCATIONS A TCATIONS AND DETAI NS AND DETAILS SH PECIFICATIONS ARE IN TON SYSTEM IN THE REMAIN SUCH THAT WAYS, PARKING LOT ALL BE RESPONSIBLE TIONS PROPERLY. CITY STREETS FREE	AND GRADES AROUND AND GRADES AROUND LS OF ALL AGENCIES ALL BE MAINTAINED ( NCORPORATED HEREIN AREAS OF PROPOSE THE REMAINING SYS' S, AND OTHER IMPR( FOR ENSURING THA AND CLEAN OF ALL	ATION AND THE BUILDING. EXERCISING N THE JOBSITE AT BY REFERENCE. D IMPROVEMENTS. IEM SHALL OVEMENTS NOT T ALL LANDSCAPED DEBRIS AND DIRT
-	GRADING: 1. THE CONTRACTOR IS RE DAMAGED BY GRADING A AT THE CONTRACTORS I 2. THE CONTOUR LINES AN SIDEWALKS AND CURBS, INDICATED. REFER TO T	SPONSIBLE FOR PI ACTIVITIES SHALL BI EXPENSE. ND BUILDING FLOOF TOP OF FLOOR S YPICAL SECTIONS F	ROTECTION OF ALL PROPE E RESET BY A PROFESSIO R ELEVATIONS SHOWN ARE LABS, ETC. ALL SPOT ELE OR MULCH, SOD, PAVING,	RTY CORNERS. ANY NAL LAND SURVEYOF TO FINISH GRADE F VATIONS SHOWN ARE SLAB AND AGGREGA	PROPERTY CORNERS CLICENSED IN THE S FOR SURFACE OF PAV TO FINISHED GRADE TE BASE THICKNESS	DISTURBED OR STATE OF COLORADO, /EMENT, TOP OF E UNLESS OTHERWISE TO DEDUCT FOR
0	GRADING LINE ELEVATION 3. TOP OF CURB AND SID ABOVE GUTTER ELEVATION ELEVATIONS SHALL BE F 4. THE CONTRACTOR SHALL 5. CONTRACTOR SHALL GRA FINISH LANDSCAPE MATE 6. THE CONTRACTOR SHALL COMPLETION OF SITEWO 7. CONTRACTOR SHALL CO 8. ALL GRADING, COMPACT GEOTECHNICAL INVESTIG	NS. EWALK ELEVATIONS DNS UNLESS OTHEF EQUAL TO SIDEWALF FINISH GRADE SL ADE LANDSCAPED A ERIALS ARE IN PLAC CLEAN OUT ALL RK. THIS WORK SH ORDINATE TESTING ION, AND PAVEMEN ATION.	AT LOCATIONS OTHER THA RWISE NOTED. IN AREAS W CELEVATIONS. OPES AS SHOWN NO STEI REAS TO PROVIDE POSITIV CE. EXISTING AND PROPOSED IALL BE DONE TO THE SA ACTIVITIES WITH THE GEOT T CONSTRUCTION WILL BE	AN THE SIDEWALK AF ITH SIDEWALK ABUTT EPER THAN ONE FOO /E DRAINAGE AWAY F INLETS, PIPES AND TISFACTION OF THE ECHNICAL ENGINEER. IN ACCORDANCE WI	ROUND THE BUILDING ING BACK OF CURB, OT VERTICAL IN THRE ROM BUILDINGS AND MANHOLES OF DEBRI OWNER. TH RECOMMENDATION	SHALL BE 0.5' TOP OF CURB E FEET HORIZONTAL. SIDEWALKS WHEN S AND SEDIMENT AT S FROM THE
-	ADA NOTES: 1. THE CONTRACTOR IS RE AND THE AMERICANS W 2. ALL ADA ACCESSIBLE P 3. ALL ADA ACCESSIBLE R LONGITUDINAL SLOPE OF 4. ALL ADA MANEUVERING 5. ALL ADA ACCESSIBLE R	SPONSIBLE FOR EN TH DISABILITIES AC ARKING SHALL BE OUTES SHALL BE C 5.00% AREAS SHALL BE ( AMPS SHALL MEET	NSURING THAT ALL ACCESS T ACCESSIBILITY GUIDELINE CONSTRUCTED WITH A MAX CONSTRUCTED WITH A MAX THE ADA REQUIREMENTS I	SIBLE AREAS ARE BU S (ADAAG). (IMUM SLOPE OF 2.0 IMUM CROSS SLOPE IMUM SLOPE OF 2.0 PER ADAAG SECTION	JILT IN ACCORDANCE D0% IN ANY DIRECTIO OF 2.00% AND A M, D0% IN ANY DIRECTIO 4.7 & 4.8.	WITH THE PLANS N. AXIMUM N.
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**EROSION & SEDIMENT CONTROL** 

- 1. THESE CONSTRUCTION DRAWINGS ARE NOT COMPLETE WITHOUT THE MOST RECENTLY APPROVED STORMWATER MANAGEMENT
- (SWMP) PLANS. 2. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS PRIOR TO ANY SITE PREPARATION WORK (E.G., CLEARING, GRUBBING, OR EXCAVATION).
- 3. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE OVERALL GRADING & EROSION CONTROL PLAN PREPARED FOR THE PROJECT.
- 4. CONTROL PLAN PREPARED FOR THE PROJECT. 4. CONTRACTOR TO ADJUST EROSION CONTROL MEASURES AS NEEDED FOR VARIOUS PHASES OF WORK.
- 5. CONTRACTOR TO ENSURE THAT NO DIRT AND SEDIMENT IS TRACKED ONTO ADJACENT STREETS AND WATERWAYS.
- 6. A GROUNDWATER DISCHARGE PERMIT IS REQUIRED FROM THE STATE ENGINEER'S OFFICE, PRIOR TO PUMPING IT OUT. 7. GROUNDWATER SHALL BE SAMPLED AND SENT TO AN APPROVED LABORATORY FOR TESTING PRIOR TO BEING DISCHARGED.
- TESTING SHALL BE IN ACCORDANCE WITH PERMIT FOR STORM WATER DISCHARGE.
  8. APPROVED EROSION AND SEDIMENT CONTROL "BEST MANAGEMENT PRACTICES' (BMPS) SHALL BE MAINTAINED AND KEPT IN GOOD REPAIR FOR THE DURATION OF THIS PROJECT. AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL BMPS EVERY 14 DAYS, AND AFTER ALL SIGNIFICANT PRECIPITATION EVENTS I.E. RAINFALL, SNOWMELT. ALL NECESSARY MAINTENANCE AND REPAIR ACTIVITIES SHALL BE COMPLETED WITHIN TWENTY-FOUR (24) HOURS AFTER DIRECTION BY EROSION CONTROL ADMINISTRATOR. ACCUMULATED SEDIMENT AND CONSTRUCTION DEBRIS SHALL BE REMOVED WEEKLY FROM ALL BMPS, OR AT ANY TIME THAT SEDIMENT OR CONSTRUCTION DEBRIS ADVERSELY IMPACTS THE FUNCTIONING OF THE BMPS.
- 9. TOPSOIL SHALL BE STOCKPILED WITHIN LIMITS OF CONSTRUCTION FOR USE ON AREAS TO BE RE-VEGETATED. ANY AND ALL STOCKPILES SHALL BE PLACED IN AN APPROVED LOCATION AND PROTECTED FROM EROSIVE ELEMENTS USING MEASURES SPECIFIED IN THE EROSION CONTROL PLAN.
- 10. SOILS THAT WILL BE STOCKPILED FOR MORE THAN THIRTY (30) DAYS SHALL BE MULCHED AND SEEDED WITH A TEMPORARY OR PERMANENT GRASS COVER WITHIN FOURTEEN (14) DAYS OF STOCKPILE CONSTRUCTION.
   11. ANY SETTLEMENT OR SOIL ACCUMULATIONS BEYOND THE LIMITS OF CONSTRUCTION DUE TO GRADING OR EROSION SHALL BE
- REPAIRED IMMEDIATELY BY THE CONTRACTOR. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR REMEDIATION OF ANY ADVERSE IMPACTS TO ADJACENT WATERWAYS, WETLANDS, PROPERTIES, ETC. RESULTING FROM WORK DONE AS PART OF THIS PROJECT.
- 12. A WATER SOURCE MUST BE AVAILABLE ON SITE DURING EARTHWORK OPERATIONS AND UTILIZED AS REQUIRED TO MINIMIZE DUST FROM EARTHWORK EQUIPMENT AND WIND.
  13. THE CONTRACTOR MUST KEEP ALL POLLUTANTS, INCLUDING SEDIMENT, CONSTRUCTION DEBRIS, AND TRENCH BACKFILL
- MATERIALS FROM ENTERING THE STORM SEWER SYSTEM.
- 14. ALL SPILLS INCLUDING, BUT NOT LIMITED TO, PETROLEUM PRODUCTS, SOLVENTS, AND CEMENT SHALL BE CLEANED UP
- IMMEDIATELY. EROSION CONTROL ADMINISTRATOR SHALL BE NOTIFIED IMMEDIATELY. 15. THE CONTRACTOR SHALL ENSURE THAT ALL LOADS OF CUT AND FILL MATERIAL IMPORTED TO OR EXPORTED FROM THE SITE
- SHALL BE PROPERLY COVERED TO PREVENT LOSS OF THE MATERIAL DURING TRANSPORT ON PUBLIC RIGHT-OF-WAY. 16. THE CONTRACTOR SHALL ENSURE THAT ALL MATERIAL EXPORTED FROM THE SITE, IS DISPOSED OF AT A SITE PERMITTED TO ACCEPT SUCH MATERIAL.
- 17. THE USE OF REBAR, STEEL STAKES OR STEEL FENCE POSTS FOR STAKING DOWN STRAW OR HAY BALES, OR TO SUPPORT SILT FENCING USED AS AN EROSION CONTROL MEASURE, IS PROHIBITED.
- 18. THE CLEANING OF CONCRETE DELIVERY TRUCK CHUTES IS RESTRICTED TO APPROVED LOCATIONS ON THE JOB SITE. THE DISCHARGE OF WATER CONTAINING WASTE CEMENT TO THE STORM SEWER SYSTEM IS PROHIBITED. ALL CONCRETE WASTE SHALL BE PROPERLY CLEANED UP AND DISPOSED OF AT AN APPROPRIATE LOCATION.
- 19. PRIOR TO ACTUAL CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES. FOR INFORMATION, CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811.

# UTILITIES:

- CONTRACTOR TO FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES BEFORE BEGINNING WORK.
   THE CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND SIZES OF ALL UTILITY SERVICE LINE HOOKUPS TO THE BUILDINGS WITH THE MECHANICAL, ELECTRICAL AND PLUMBING PLANS AND SPECIFICATIONS, AND REPORT ANY DISCREPANCIES TO THE ENDINEER AND ADDITION TO DEPEND ON THE PLANE AND SPECIFICATIONS.
- ENGINEER AND ARCHITECT PRIOR TO BEGINNING UTILITIES CONSTRUCTION. 3. THE CONTRACTOR SHALL CONSTRUCT THE SANITARY SEWER SERVICE CONNECTIONS IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF FRUITA.
- 4. THE CONTRACTOR SHALL CONSTRUCT ALL WATER SERVICE CONNECTIONS IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE CITY OF FRUITA.
- THE CONTRACTOR SHALL CONSTRUCT ALL ELECTRIC, GAS, TELEPHONE, AND CABLE TELEVISION SERVICES IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS OF THE UTILITY PROVIDER.
   ALL EXISTING SEWERS, PIPING AND UTILITIES SHOWN ARE NOT TO BE INTERPRETED AS THE EXACT LOCATION, OR AS THE ONLY OBSTACLES THAT MAY OCCUR ON THE SITE. VERIFY EXISTING CONDITIONS AND PROCEED WITH CAUTION AROUND ANY
- ANTICIPATED FEATURES. GIVE NOTICE TO ALL UTILITY COMPANIES REGARDING DESTRUCTION AND REMOVAL OF ALL SERVICE LINES AND CAP ALL LINES BEFORE PROCEEDING WITH THE WORK. UTILITIES DETERMINED TO BE ABANDONED AND LEFT IN PLACE SHALL BE GROUTED IF UNDER BUILDING.
- 7. ELECTRICAL, TELEPHONE, CABLE, WATER, FIBER OPTIC CABLE AND/OR GAS LINES NEEDING TO BE REMOVED OR RELOCATED SHALL BE COORDINATED WITH THE AFFECTED UTILITY COMPANY. ADEQUATE TIME SHALL BE PROVIDED FOR RELOCATION AND CLOSE COORDINATION WITH THE UTILITY COMPANY IS NECESSARY TO PROVIDE A SMOOTH TRANSITION IN UTILITY SERVICE.
- 8. UTILITY TRENCHES ARE TO BE SLOPED OR BRACED AND SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE

6

7

- PROTECTION OF OTHER UTILITIES IN COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REQUIREMENTS. 9. CONTRACTOR TO SET AND ADJUST ALL MANHOLE COVERS, INLET GRATES, WATER VALVES, CLEAN OUTS, AND ANY OTHER ACCESS COVERS TO FINISHED PAVEMENT SURFACE OR FINISHED GRADE.
- 10. ALL ON-SITE STORM DRAIN PIPES TO BE CLASS III RCP UNLESS OTHERWISE SPECIFIED.

(5)

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8

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# **DESIGN**WORKSHOP

Landscape Architecture • Land Planning Urban Design • Tourism Planning Aspen • Austin • Chicago • Denver • Houston Lake Tahoe • Los Angeles • Raleigh

> 22860 Two Rivers Road Basalt, Colorado 81621 (970) 925-8354

W W W.D E S I G N W O R K S H O P.C O M

![](_page_21_Picture_40.jpeg)

©COPYRIGHT DESIGNWORKSHOP, INC.

![](_page_22_Figure_0.jpeg)

![](_page_23_Figure_0.jpeg)

![](_page_24_Figure_0.jpeg)

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7982.85	44297.44	43	68076.46	44494.92	72	68135.85	44277.30	
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				- 78 82 80 4 4		Led .		FOR CONSTRUCTION
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TION STA OF WALK NG ED FLOOR ED GRADE POINT OINT I EXISTING ACK OF CU	NDARD AB	<u>BREVI</u>	<u>ATIONS</u>		SCA 20 16 12 8	LE: $1'' = 20''$	20	GRADING & DRAINAGE PLAN SHEET NUMBER
POT ELEVAT S OTHERWIS EVATIONS A 3.50'	TION REPRESEN SE NOTED. ARE SHORTHAN	TS "FLO	W LINE" 4500.					C3-00
1		8		1		9	ľ	COPYRIGHT DESIGNWORKSHOP, INC.

![](_page_25_Figure_0.jpeg)

(4) 

SCALE: 1'' = 10'

![](_page_25_Figure_5.jpeg)

![](_page_26_Figure_0.jpeg)

![](_page_26_Figure_1.jpeg)

SCALE:

1" = 10

 $\leftarrow$ -SURVEY CONTROL MONUMEN ELEVATION=4508.30'  $\leftarrow$ FOC=8.20 0.55%  $\langle X X \rightarrow \rangle$ (X).22% <u>```0,16%</u>` EOC=8.24 ∠EOC=8.27 0.55% <u>\0.12%</u> EOC=8.26-X.010 0.76% ∕-FG=8.50 0.17% 0.24% ME EOC=8.55-X N K \_EX=8.63 ∠  $\leftarrow$ ME EOC=8.69 1.28% ∕-FG=8.65  $\leftarrow$  $\leftarrow$  $\leftarrow$  $\leftarrow$  $\leftarrow$ ×. ME EOC=8.82 0.02% FG=8.80-/ \_ME=9.01 ----A . A A.  $\square$ 

S. MAPLE STREET

![](_page_26_Figure_12.jpeg)

![](_page_27_Figure_0.jpeg)

![](_page_27_Figure_1.jpeg)

*⊢ME=6.76* -ME = 6.79 $/_{-EOC=6.64}$ -ME = 6.82/-EOC=6.68  $H_{-}EOC = 6.64$   $H_{-}EOC = 6.64$  ME = 6.77-#/\_TBOC=7.10 *∽ME<sup>′</sup>=7.08*\_\_ -6.75 ∽TBOC=7.25 /-6.91 -TBOC=7.41 *-*7.07 ~TBOC=7.57 .55% LIP=6.99 4.4 4 -TBOC=7.53 . . ME EOC = 7.30-BOW=7.59° 1.78% *⊾MË EOC=7.34* ME = 7.37 $\perp$  slope ground under ENGINEERED WOOD FIBER TOWARDS UNDER DRAIN (TYP.) -ME EOC=7.51 – EXISTING SIDEWALK - REFER TO LANDSCAPE PLANS TO REMAIN PIP TYPE 1B SECTION -ME EOC=7.70 -EOC = 7.63EOC=7.65-/ -ME EQC = 7.82-ME EOC=7.93 D.  $-ME^{}EOC = 7.83$  $\leftarrow$   $\rightarrow$   $\rightarrow$   $\rightarrow$   $\leftarrow$   $\leftarrow$ PLAYGROUND WITH PIP RUBBER SURFACING AND ENGINEERED WOOD FIBER  $\leftarrow$  $\leftarrow$ SEE LANDSCAPE AND PLAYGROUND PLANS | $\downarrow \leftarrow$  $\leftarrow$  $\leftarrow$ 

![](_page_27_Figure_6.jpeg)

![](_page_27_Figure_7.jpeg)

 $\leftarrow$ 

![](_page_27_Figure_11.jpeg)

![](_page_28_Figure_0.jpeg)

![](_page_28_Figure_5.jpeg)

![](_page_29_Figure_0.jpeg)

![](_page_30_Figure_0.jpeg)

![](_page_30_Figure_5.jpeg)

![](_page_31_Figure_0.jpeg)

![](_page_31_Figure_1.jpeg)

![](_page_31_Figure_20.jpeg)

![](_page_31_Figure_21.jpeg)

W W W . D E S I G N W O R K S H O P . C O M C. M M M  $\geq$ ISSUE DATE: JUNE 15, 2023 1 08/03/23 CD REVISION 1 REVIEWED: BM PERMIT SET PROJECT NUMBER: 6961 PUMP DETAILS SHEET <sup>^</sup>

SHEET NUMBER

![](_page_32_Figure_0.jpeg)

34

34

53

53

60

66

66

78

78

2

size Size Thick Holes Circle X H

3 0.375 (10) 5/8 32.5 11

46 2 0.375 (10) 5/8 44 11

0.375 (10) 5/8

0.500 (10) 5/8

0.500 (12) 3/4

0.500 (12) 3/4

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0 375

3 0.375 (10) 5/8 44 12 11

(10) 5/8

0.375 (10) 5/8 51

0.500 (10) 5/8 63

4 0.500 (10) 5/8 63 19 13

51

51

4 0.375 (10) 5/8 51 14 13 16 x 23

57

4 0.500 (10) 5/8 57 14 13 16 x 28

0.500 (10) 5/8 63 11 9 18 x 30

0.500 (10) 5/8 63 12 11 18 x 28

75

75

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12 11

16 11

2 0.375 (10) 5/8 26 9 -- 12 x 18

0.375 (10) 5/8 32.5 9 --

40 2 0.375 (10) 5/8 38.5 4 -- 12 x 18

8804

80 D10998

121 D10430

123 D11000

148 D10999

Size Quantity Lbs Number

1

1

2

1

2

12 x 18

18 x 30

22 x 36

18 x 30

22 x 36

18 x 28

22 x 36

23 x 33

22 x 36

18 x 28

All dimensions are in Inches

54

- -

- -

Α

9 18 x 30

12 11 22 x 36

- anti-slip (checkered steel)

- extra openings

42

- non-standard sizes

Description

- stainless steel (specify grade)

48

Α

Α

- -

А

Dim

14 x 22

# WEIL

# Duplex Wastewater Valve Assembly 2616-2 2-Inch ANSI - 2-Inch Solids

The 2616-2 Valve Assembly has the check valve and isolation valve requirements for a duplex pumping system combined into one unit.

The 2616-2 cast iron assembly consists of two check valves and one four-way isolation valve.

The check valve ball is ground to close spherical

![](_page_32_Figure_13.jpeg)

Use with submersible pumps and 2613 Removal System.

### 2616-2 Includes 2 - 90 degree Ball Check Valves 1 - 4-way Isolation Valve

150 D10997 tolerances which assures positive sealing at low 1 - Lockable Handle back pressures. The low friction, easy to operate four-way valve is **Opening** | Weight Drawing marked to locate each of the four positions. The valve is lockable in any of the four positions. Lbs Number 148 D11084 184 D10785 196 D10711 256 D10786 264 D10712 270 D12677 272 D11089 456 D10713 477 D10722 Discharge 512 D11086 528 D10705 Check 7 5/8 540 Valve D12843 548 D11093 708 D12292 719 D11088 From 724 D12851 Pump 726 D11783 734 D10775 The 2616-2 Isolation Valve has four positions: **Position 2** Position 3 **Position 1** Contact factory for pricing and availability on:  $(\bigcirc)$ 60 72 Discharge Discharge Discharge Α Α Normal Operation Pump A Isolated Pump B Isolated Α Α Pump A Open To Pump A And Pump B Pump B Open To

Open To Discharge Line

X NEW

8804	

- -

						MODEL NUMBE MOTOR RPM: PUMP SIZE: MAX SPHERE:	R: 2413 1750 2 INCH AN 2 INCH	ISI
						MPELLER TRIN MIN. MOTOR HI DESIGN FLOW: ACTUAL FLOW	A: 5.12" P: 0.5HP 50 GPM 15 : 64 GPM 15	FT FT
		•	<b>)</b>					
							0.5H	P
				-				
20	30	40	50	60	70	80	90	100

SUBMERSIBLE PUMP SCHEDULE TAG MANUFACTURER SERVICE/LOCATION SYSTEM TYPE MODEL NUMBER SE-1 WEIL B413-3D6-SRV GENERAL NOTES STARTUP INCLUDED FIVE YEAR WARRANT REMARKS WEIL REMOVAL RAIL SYSTEM

**Discharge** Line

2616K1043 | 2-Inch |

SN-2616-2-1

90 degrees

JANUARY 16, 2008

WEIL REMOVAL SYSTEM SUB BASE WEIL CONTROL PANEL

WEIL STANDARD TETHERED FLOAT SWITCH WEIL STEEL ROUND COVER

WEIL DUPLEX CHECK/ISOLATION VALVE ASSEMBLY AK FIBERGLASS BASIN W/ ANTI-FLOAT, 2-SECTION CONSTRUCTION WEIL DUPLEX JUNCTION BOX

ntrol ł	noles drill	led & tapped			All dimension		
78	6	0.500	(12) 3/4	75	15	16	23 x 33
78	4	0.500	(12) 3/4	75	19	13	23 x 33

C = Up to 9 inch case pumps only Description

3

24 30 36

A = Available

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(4)

Α Α Α Α Α Α А А

SN-8804

-- = Not Available

June 12, 2020

(5)

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![](_page_32_Figure_31.jpeg)

The assembly has standard ANSI B61 iron 125 PSI

![](_page_32_Figure_35.jpeg)

90

2616-2

![](_page_32_Figure_36.jpeg)

# Landscape Architecture • Land Planning Urban Design • Tourism Planning Aspen • Austin • Chicago • Denver • Houston Lake Tahoe • Los Angeles • Raleigh 22860 Two Rivers Road Basalt, Colorado 81621 (970) 925-8354 W W W . D E S I G N W O R K S H O P . C O M S **О**\_Ш **M** O 目を R J Σ ISSUE DATE: JUNE 15, 2023 REVISIONS 1 08/03/23 CD REVISION 1 \_\_\_\_REVIEWED:<u>BM</u> DRAWN PERMIT SET PROJECT NUMBER: 6961 PUMP DETAILS SHEET 2 SHEET NUMBER C4-02 ©COPYRIGHT DESIGNWORKSHOP, INC.

**DESIGN**WORKSHOP

![](_page_33_Figure_0.jpeg)

1

2

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W W W.D E S I G N W O R K S H O P.C O M

![](_page_33_Picture_11.jpeg)

![](_page_34_Figure_0.jpeg)

![](_page_35_Figure_0.jpeg)

![](_page_35_Figure_1.jpeg)

![](_page_35_Figure_2.jpeg)

4	5	6	ĺ	$\bigcirc$

![](_page_36_Figure_0.jpeg)

![](_page_37_Figure_0.jpeg)

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6

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> 120 East Main Street Aspen, Colorado 81611 (970) 925-8354

W W W.D E S I G N W O R K S H O P.C O M

![](_page_37_Picture_9.jpeg)

8

![](_page_38_Figure_0.jpeg)

![](_page_38_Figure_1.jpeg)

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3

![](_page_38_Figure_2.jpeg)

	S
NORTH	

4

6

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6

# **DESIGN**WORKSHOP

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> 120 East Main Street Aspen, Colorado 8161<sup>2</sup> (970) 925-8354

W W W D E S I G N W O R K S H O P C O M

![](_page_38_Picture_14.jpeg)

![](_page_39_Picture_0.jpeg)

# PERMIT SET **REED PARK ALL WHEEL PARK**

# **PROJECT ADDRESS**

250 S ELM ST. FRUITA, CO 81521

# **PROJECT DIRECTORY**

**OWNER'S NAME & ADDRESS** City of Fruita 3324 N Coulson St. Fruita, CO 81521

PROJECT REPRESENTATIVE: MARC MANCUSO, PARKS AND RECREATION (970)858-0360, Ext 6400 DESIGN CONSULTANTS

DESIGN WORKSHOP 22860 Two Rivers Road, Suite 102 Basalt, CO 81621

CONTACT: MARIANNE STUCK, (970) 399 1434

SKATE PARK DESIGNER/ LANDSCAPE ARCHITECT ACTION Sports Design, llc. 12400 W Hwy 71, Suite 350-348 Austin, TX 78738 CONTACT: MIKE MCINTYRE (512) 387-5827

# LOCATION MAP

![](_page_39_Picture_11.jpeg)

# GENERAL CONSTRUCTION NOTES

SPECIFICATIONS.

MUTCD.

REQUIREMENTS OF THE CITY OF FRUITA, CO.

1) ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE PLANS AND

- 2) ALL CONSTRUCTION TESTING SHALL BE AT THE DISCRETION OF THE CITY OF FRUITA, CO AS TO THE TYPE AND NUMBER. REFER TO SKATE PARK TECHNICAL SPECIFICATIONS. 3) ALL EQUIPMENT SHALL HAVE RESIDENTIAL MUFFLER SILENCERS PER OSHA REQUIREMENTS AND
- 4) ANY DETOURING OF TRAFFIC ONTO CITY STREETS SHALL MEET THE TRAFFIC CONTROL
- 5) CONTRACTOR SHALL CALL DIGGERS HOTLINE AT (800) 242-8511 AND OWNER AT LEAST ONE (1) WEEK PRIOR TO START OF CONSTRUCTION FOR LOCATING UNDERGROUND UTILITIES. 6) THE LOCATION OF UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST
- INFORMATION, HOWEVER, THE CITY OF FRUITA, CO, ENGINEER AND LANDSCAPE ARCHITECT ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN, OR FOR THE INADVERTENT
- OMISSION OF ANY SUCH INFORMATION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THIS PROJECT.
- 7) DETOURING OF PEDESTRIANS SHALL BE ACCOMPLISHED WITH ADEQUATE SIGNS AT A SAFE LOCATION.

# SHEET INDEX

SHEET NO.	SHEET TITLE		
	-		
SP-0.00	PROJECT COVER SHEET		
SP-1.00	SKATEPARK- NOTES		
SP-1.01	SKATEPARK-FEATURE PLAN		
SP-1.02	SKATEPARK-CONCRETE FOUNDATION PLA		
SP-1.03	SKATEPARK-CONCRETE MATERIALS PLAN		
SP-1.04	SKATEPARK-CONCRETE JOINTING PLAN		
SP-1.05	SKATEPARK-CONCRETE COLOR PLAN		
SP-1.06	SKATEPARK-METAL MATERIALS PLAN		
SP-1.07	SKATEPARK-METAL COLORS PLAN		
SP-2.01	SKATEPARK- POINTS LAYOUT PLAN & TABL		
SP-2.02	SKATEPARK- LINE & CURVE LAYOUT PLAN		
SP-2.04	SKATEPARK-POINT TABLES		
SP-4.01	SKATEPARK-SECTIONS/ PROFILES		
SP-4.02	SKATEPARK-SECTIONS/ PROFILES		
SP-4.03	SKATEPARK-SECTIONS/ PROFILES		
SP-4.04	SKATEPARK-SECTIONS/ PROFILES		
SP-4.05	SKATEPARK-SECTIONS/ PROFILES		
SP-5.01	SKATEPARK-CONSTRUCTION DETAILS		
SP-5.02	SKATEPARK-CONSTRUCTION DETAILS		
SP-5.03	SKATEPARK-CONSTRUCTION DETAILS		
SP-5.04	SKATEPARK-CONSTRUCTION DETAILS		
SP-5.05	SKATEPARK-CONSTRUCTION DETAILS		
SP-5.06	SKATEPARK-CONSTRUCTION DETAILS		

![](_page_39_Picture_32.jpeg)

# SUBMITTALS

05/09/2023

05/19/2023

08/03/2023

60 % 90 % PERMIT

ES & TABLES

\_\_\_\_\_

# SKATE PARK - DESIGN CRITERIA

THESE GENERAL STRUCTURAL NOTES APPLY UNLESS OTHERWISE NOTED.

CODE: COMPLY WITH CURRENT LOCAL BUILDING CODE

SEISMIC: SEISMIC USE GROUP SPECTRAL RESPONSE: Sds = 0.758 Sd1 = 0.432 SITE CLASS "D"

WIND: BASIC WIND SPEED (V) = 120 MPH IMPORTANCE FACTOR I = 1.0 WIND EXPOSURE "C"

# SKATE PARK - STRUCTURAL NOTES

# **1. SPECIAL STRUCTURAL INSPECTION**

- 1.1 THE CITY WILL PROVIDE SPECIAL STRUCTURAL INSPECTION AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:
  - 1.1.1 CONCRETE: DURING THE TAKING OF TEST SPECIMENS & PLACING OF REINFORCED CONCRETE WHERE F'C > 2,500 PSI, EXCEPT SLABS ON GRADE, PROVIDE STATEMENT OF SPECIAL INSPECTIONS PER 1704.3 AND SCHEDULE OF INSPECTIONS (CONTINUOUS / PERIODIC) PER 1705 FOR ALL REQUIRED SPECIAL INSPECTION ELEMENTS. SCHEDULE OF SPECIAL INSPECTIONS WILL BE PROVIDED DURING CONSTRUCTION.
  - 1.1.2 BOLTS INSTALLED IN CONCRETE: DURING INSTALLATION OF EMBEDDED BOLTS IN CONCRETE AND DURING INSTALLATION OF EXPANSION BOLTS & EPOXY BOLTS / REBAR INTO EXISTING CONCRETE.
  - 1.1.3 REINFORCING STEEL: DURING PLACING OF REINFORCING STEEL, FOR ALL CONCRETE REQUIRED TO HAVE SPECIAL INSPECTION BY THE CONCRETE SECTION ABOVE AND PLACING REINFORCING STEEL IN EPOXIED HOLES PER ABOVE.
  - 1.1.4 SHOTCRETE: DURING THE TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE

1.2 SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS:

1.2.1 THE CONTRACTOR SHALL ALLOW A MINIMUM OF 48 HOURS NOTIFICATION FOR THE SCHEDULING OF SPECIAL STRUCTURAL INSPECTIONS.

### 2. FOUNDATIONS

2.1 REFER TO THE GEO-TECHNICAL REPORT FOR CONCLUSIONS / RECOMMENDATIONS ON FOUNDATIONS, EXCAVATION, ETC. GEO-TECHNICAL REPORT IS INCLUDED IN THE APPENDIX OF THE PROJECT'S TECHNICAL SPECIFICATIONS.

2.2 THE STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR ANY GEO-TECHNICAL ASPECTS OF THIS PROJECT. THE CLIENT SHALL EMPLOY A REGISTERED GEO-TECHNICAL ENGINEER TO PERFORM NECESSARY TESTING AND QUALITY CONTROL INSPECTIONS TO ENSURE THAT THE REQUIREMENTS OF THE SOILS REPORT ARE COMPLIED WITH.

### 3. REINFORCING

3.1 SECURELY TIE ALL REBAR, INCLUDING DOWELS, IN LOCATION BEFORE PLACING CONCRETE OR GROUT.

3.2 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, USE LENTON FORM SAVERS DOWEL BAR DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR APPROVED EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

3.3 DEVELOP AT LEAST 125 PERCENT OF THE TENSION OR COMPRESSION BAR YIELD STRENGTH PER ICC-ES RESEARCH REPORT.

## 4. STRUCTURAL STEEL

4.1 ASTM A-36 FOR C, MC, ANGLES, AND PLATES

- 4.2 ASTM A-53 GRADE B OR A-501 FOR STEEL PIPES
- 4.3 ASTM A-500 GRADE B, FY=46 KSI FOR TS/HSS TUBE STEEL FOR SIZES UP TO 5/8" THICK.
- 4.4 ASTM A-307 OR A-36 PLAIN ANCHOR BOLTS.

## 5. STRUCTURAL STEEL & REINFORCEMENT WELDING

5.1 ALL CONSTRUCTION AND TESTING PER AMERICAN WELDING SOCIETY CODES AND RECOMMENDATIONS, ALL WELDING SHALL BE BY WELDERS HOLDING CURRENT CERTIFICATES VALIDATED BY AN INDEPENDENT LAB & HAVING CURRENT EXPERIENCE IN TYPE OF WELD CALLED FOR. THE CONTRACTOR SHALL SUBMIT WELDING CERTIFICATES FOR EACH WELDER PRIOR TO COMMENCING THE WORK.

5.2 WELDING RODS TO BE LOW HYDROGEN TYPE, E70 SERIES, PER AWS D1.1 TYPICALLY EXCEPT E-6010 SERIES FOR STEEL SHEET METAL PER AWS D1.3 AND REINFORCING WELDMENTS PER AWS D1.4. USE E80 SERIES WELDING RODS FOR A706 REBAR. MIG WELDERS MAY ALSO BE USED IF APPROPRIATE FOR FILLING OF SEAMS AND HOLES.

5.3 FIELD INDICATED WELDS MAY BE DONE IN SHOP & SHOP INDICATED WELDS MAY BE DONE IN FIELD ONLY IF SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.

### 6. SUPPLEMENTARY NOTES

6.1 THESE CONTRACT DOCUMENTS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKERS, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, MEANS AND METHODS, BRACING, SHORING, FORMS, SCAFFOLDING, GUYING OR OTHER MEANS TO AVOID EXCESSIVE STRESSES AND TO HOLD STRUCTURAL ELEMENTS IN PLACE DURING CONSTRUCTION. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER OR STRUCTURAL OBSERVERS SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

6.2 REINFORCING OR THREADED RODS DRILLED AND EPOXIED INTO EXISTING CONCRETE AS DETAILED ON THE DRAWINGS SHALL BE ONE OF THE FOLLOWING OR APPROVED EQUIVALENT:

- 6.2.1 HILTI RE-500 SD ICC ESR-2322
- 6.2.2 SIMPSON SET-XP ICC ESR-2508
- 6.2.3 POWERS PE1000+ ICC ESR-258

6.3 INSTALLATION OF EPOXIED DOWELS SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT AND HAVE A MINIMUM 9 DIAMETERS EMBEDMENT.

6.4 INSTALLATION SHALL FOLLOW THE STRICT RECOMMENDATIONS OF THE MANUFACTURER AND THE APPLICABLE ICC-ES REPORT. CONTRACTOR SHALL HAVE APPROPRIATE ICC-ES REPORT ON-SITE DURING ALL INSTALLATIONS.

6.5 ANY ENGINEERING DESIGN PROVIDED BY CONTRACTOR OR OTHERS AND SUBMITTED FOR REVIEW SHALL BE BY AN INSURED LICENSED STRUCTURAL ENGINEER WITH CONTINUOUS FIVE YEARS OF EXPERIENCE IN THE TYPE OF DESIGN SUBMITTED. A COPY OF THE LICENSE AND PROOF OF INSURANCE SHALL BE PROVIDED BEFORE STARTING ANY WORK.

# **SKATE PARK - GENERAL CONSTRUCTION NOTES**

# 1. GENERAL

1.1 CONSIDER GENERAL NOTES AS APPLYING TO ALL DRAWINGS

1.2 NOTIFY CLIENT REPRESENTATIVE OF ANY DISCREPANCIES TO THESE PLANS IMMEDIATELY.

1.3 PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE AND/OR LOCAL BUILDING CODES.

1.4 THE CLIENT SHALL HAVE NO CONTROL OR CHARGE OF, NOR BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, SAFETY PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK, THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN CONFORMANCE WITH THE CONTRACT.

1.5 THE CLIENT WILL PROVIDE SPECIAL INSPECTIONS AS REQUIRED BY BUILDING CODES FOR THE FOLLOWING ITEMS:

- 1.5.1 PLACEMENT OF REINFORCING STEEL.
- 1.5.2 TAKING OF TEST SPECIMENS AND PLACING OF ALL CONCRETE.
- 1.5.3 BOLTS IN CONCRETE.
- 1.5.4 TAKING OF TEST SPECIMENS AND PLACING OF ALL SHOTCRETE.

1.6 THE CONTRACTOR SHALL WARRANTY ALL OF THEIR WORK DURING CONSTRUCTION AND A MINIMUM OF ONE (1) YEAR AFTER THE PROJECT IS ACCEPTED AS COMPLETE.

## 2. CONCRETE WORK

2.1 CONCRETE MIXES SHALL BE DESIGNED BY A TESTING LABORATORY AND SUBMITTED TO THE CLIENT REPRESENTATIVE FOR APPROVAL. MIXES SHALL CONFORM TO APPLICABLE BUILDING CODE REQUIREMENTS, REGARDLESS OF OTHER MINIMUM REQUIREMENTS SPECIFIED HEREIN OR ON THE DRAWINGS. DESIGNS SHALL SHOW PROPORTIONS OF CEMENT. FINE AND COARSE AGGREGATES AND WATER. AND GRADATION OF COMBINED AGGREGATES.

2.2 CEMENT: ASTM C150. CEMENT SHALL BE OF SAME BRAND, TYPE AND SOURCE THROUGHOUT PROJECT. WHERE AGGREGATES ARE POTENTIALLY REACTIVE, USE LOW ALKALI CEMENT

2.3 AGGREGATES SHALL CONFORM TO ASTM C33.

2.4 NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRETE SHALL NOT BE IN CONTACT WITH ALUMINUM.

2.5 CONCRETE MIX DESIGN - CAST-IN-PLACE

2.5.1 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN. IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY	MIN. CEMENT	MAX.	MAX.	MAX. AIR ENTRAINING
COMPRESSIVE	CONTENT	SLUMP	AGGREGATE	AT END OF HOSE
STRENGTH (PSI)	(POUNDS)	(INCHES)	SIZE (INCHES)	(PERCENT)
4000	480	4" MAX.	1"	3% - 5%

2.6 CONCRETE MIX DESIGN - SHOTCRETE

2.6.1 ACI STANDARD 506, LATEST EDITION, "SPECIFICATION FOR MATERIALS, PROPORTIONING AND APPLICATION OF SHOTCRETE" AND ACI 506.2, LATEST EDITION, "RECOMMENDED PRACTICES FOR SHOTCRETE" SHALL BE FOLLOWED.

2.6.2 MIX DESIGNS FOR SHOTCRETE CONTAINING FLY ASH SHALL BE BY AN INDEPENDENT TESTING LABORATORY. ONLY ASTM C618 CLASS F FLY ASH SHALL BE USED. THE AMOUNT OF FLY ASH USED SHALL NOT EXCEED 20 PERCENT BY WEIGHT OF THE COMBINED WEIGHT OF FLY ASH PLUS CEMENT.

2.6.3 PROVIDE MIX DESIGNS THAT WILL MEET THE MINIMUM REQUIREMENTS LISTED BELOW. INCREASE CEMENT CONTENT OVER THAT SHOWN, IF REQUIRED TO OBTAIN THE COMPRESSIVE STRENGTH:

MIN. 28-DAY	MIN. CEMENT	MAX.	MAX.	MAX. AIR ENTRAINING
COMPRESSIVE	CONTENT	SLUMP	AGGREGATE	AT END OF HOSE
STRENGTH (PSI)	(POUNDS)	(INCHES)	SIZE (INCHES)	(PERCENT)
4000	600	3" MAX.	3/8"	

2.6.4 SURFACE PREPARATION: EXPOSED EXISTING CONCRETE SHALL BE SANDBLASTED CLEAN. SURFACES SHALL BE FOLLOWED BY WETTING AND DAMP DRYING JUST PRIOR TO SHOTCRETE APPLICATION.

2.6.5 ANY REBOUND OR ACCUMULATED LOOSE AGGREGATE SHALL BE REMOVED FROM THE SURFACES TO BE COVERED PRIOR TO PLACING THE INITIAL OR ANY SUCCEEDING LAYERS OF SHOTCRETE. REBOUND SHALL NOT BE REUSED AS AGGREGATE.

2.6.6 JOINTS IN WALL POURS ARE PERMISSIBLE. AT JOINTS. SHOTCRETE SHALL BE SLOPED TO A THIN EDGE. BEFORE PLACING ADDITIONAL MATERIAL, ALL SURFACES SHALL BE THOROUGHLY CLEANED AND WETTED AND ALL REINFORCING STEEL SHALL BE BRUSHED FREE OF LATENT SHOTCRETE MATERIAL.

2.6.7 ANY IN-PLACE SHOTCRETE MATERIAL WHICH EXHIBITS SAGS OR SLOUGHS, SEGREGATION, HONEYCOMBING, SAND POCKETS OR OTHER OBVIOUS DEFECTS SHALL BE REMOVED AND REPLACED.

2.6.8 TESTING AND INSPECTION OF IN-PLACE SHOTCRETE SHALL BE IN ACCORDANCE WITH CURRENT LOCAL BUILDING CODE.

2.7 CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90°F UNLESS PRE-APPROVED BY CITY / COUNTY REPRESENTATIVE.

2.8 CONCRETE CYLINDERS SHALL BE TAKEN AND TESTED PER CODE BY A CLIENT-PROVIDED TESTING LABORATORY FOR STRUCTURAL POURS, ONE (1) FOR EVERY FIFTY (50) YARDS OF CONCRETE. HISTORICAL DATA SHALL BE SUBMITTED AND APPROVED PRIOR TO THE POUR, IF NO TEST SAMPLES ARE TAKEN FOR POURS LESS THAN FIFTY (50) CUBIC YARDS.

2.9 DURING THE CURING PERIOD, CONCRETE SHALL BE MAINTAINED AT A TEMPERATURE ABOVE 40°F AND IN MOIST CONDITION. FOR INITIAL CURING, CONCRETE SHALL BE KEPT CONTINUOUSLY MOIST FOR 24 HOURS AFTER PLACEMENT IS COMPLETE. FINAL CURING SHALL CONTINUE FOR SEVEN DAYS AFTER PLACEMENT AND SHALL CONSIST OF APPLICATION OF CURING COMPOUND PER ASTM C309, APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN ONE (1) GALLON [4.55L] PER 200 SQUARE FEET. COVER CONCRETE WITH POLYETHYLENE PLASTIC TO MAINTAIN TEMPERATURE IF NECESSARY. LAP SEAMS IN THE PLASTIC SIX INCHES (6") AND TAPE, WEIGH DOWN THE PLASTIC AS NEEDED.

2.10 THE CONTRACTOR SHALL SUBMIT PRODUCTS / METHODS FOR APPROVAL TO THE CLIENT REPRESENTATIVE TO FIX ALL CRACKS AND DISPLACEMENTS LARGER THAN 1/16".

2.12 CONDUITS, PIPES, AND SLEEVES EMBEDDED IN CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF ICC.

2.13 USE INTERMEDIATE GRADE ASTM A615, GRADE 60 FOR ALL REINFORCING. USE ASTM A706, GRADE 60 FOR ALL REINFORCING THAT IS TO BE WELDED. USE A108, GRADE 60, FOR ALL WELDED ANCHORS REFER TO AWS SPEC FOR WELDING WITHOUT PREHEAT. WELDING OF REINFORCING BARS TO BE IN ACCORDANCE WITH ALL BUILDING CODES.

2.14 OBSERVE FOLLOWING REINFORCEMENT CLEARANCES:

**3" AT SURFACES POURED AGAINST EARTH** 

2" AT FORMED SURFACES EXPOSED TO EARTH OR WEATHER

1-1/2" AT OTHER SURFACES, EXCEPT WHERE SHOWN OTHERWISE.

2.15 SECURE REINFORCING, ANCHOR BOLTS, INSERTS, ETC. RIGIDLY IN PLACE PRIOR TO POURING CONCRETE.

2.17 REMOVE FORMS AT FOLLOWING MINIMUM TIMES AFTER POURING:

2.18 MAKE ALL HOOKS ACI 318-11 STANDARD HOOKS UNLESS OTHERWISE NOTED. PROVIDE 135 DEGREE MINIMUM TURN, PLUS 4" EXTENSION AT FREE ENDS OF COLUMN PILASTER TIES.

2.19 MAKE LAPS CONTACT SPLICES, DEVELOPMENT LENGTHS, HOOK EMBEDMENT PER ACI 318-11. UNLESS OTHERWISE NOTED. STAGGER LAP SPLICES WHERE POSSIBLE.

2.20 ALL REBAR SHALL BE COLD BENT.

2.21 WHERE REINFORCING IS SHOWN CONTINUOUS THRU CONSTRUCTION JOINTS, LENTON FORM SAVERS DOWEL BAR SPLICE DEVICES AS MANUFACTURED BY ERICO PRODUCTS, INC. OR EQUIVALENT MAY BE USED. SIZES AND TYPES SHALL BE SELECTED TO DEVELOP THE FULL TENSION STRENGTH OF THE BAR PER ICC-ES RESEARCH REPORT.

BETWEEN BARS.

2.11 ALL CONCRETE WHICH DURING THE LIFE OF THE STRUCTURE WILL BE SUBJECTED TO FREEZING TEMPERATURES WHILE WET, SHALL HAVE A WATER CEMENT RATIO NOT EXCEEDING 0.53 BY WEIGHT AND SHALL CONTAIN ENTRAINED AIR AS PER ACI 301. SUCH CONCRETE SHALL INCLUDE EXTERIOR SLABS, PERIMETER FOUNDATIONS, EXTERIOR CURBS AND GUTTERS, ETC.

2.16 SUPPORT HORIZONTAL REINFORCING ON GALVANIZED CHAIRS OR OTHER APPROVED METHOD (MORTAR BLOCKS ARE UNACCEPTABLE) OF SUPPORT FOR FOOTINGS AND SLABS ON GRADE

AT SLAB EDGES - 24 HOURS

AT WALLS LESS THAN 4'-0' HIGH - 36 HOURS.

2.22 MINIMUM CLEARANCE BETWEEN PARALLEL REINFORCEMENT BARS SHALL BE 2-1/2". LAP SPLICES IN REINFORCING BARS SHALL BE BY THE NON-CONTRACT LAP SPLICE METHOD WITH AT LEAST 2" CLEARANCE

Action Sports Design_LC	12400 W Hwy 71, Suite 350-348 Austin, TX 78738 Phone: 1(512) 387-5827 www.ActionSportsDesign.com
9/30 Original Date Original Date Original Date	MC/N/R 8 0/07 of Licensure
	] ]
REED PARK ALL WHEEL PARK City of Fruita, CO	SKATE PARK NOTES
PROJECT:	SHEET TITLE:
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SKAT <u>SYMBOL</u> <u>S-01</u> <u>S-02</u> <u>S-03</u> <u>S-03</u> <u>S-04</u> <u>S-05</u> <u>S-06</u> <u>S-07</u> <u>S-08</u> <u>S-09</u>	E PARK FEATURE LEGEND DESCRIPTION SKATE PARK ENTRY RULES AND REGULATIONS SIGN GRIND LEDGE A-FRAME WITH RAIL AND BUMP TO BUMP GAP FLAT RAIL 3'-6" BANKED HIP MANUAL PAD IN BANK BANK TO CURB STAMPED BRICK BANK	Action Sports Design, LLC	12400 W Hwy 71, Suite 350-348 Austin, TX 78738 Phone: 1(512) 387-5827 www.ActionSportsDesign.com
S-10 S-11 S-12 S-13 S-14 S-15	4' QUARTERPIPE SLAPPY CURB 5 STAIR WITH HUBBA, HANDRAIL, AND STEP UP GAP FLAT-DOWN HUBBA SLAPPY CURB MELLOW BANK WITH CURB EDGE	Original Date of NOTION OF C	MCIN ARE 07 Licensure
S-16			
<u>S-17</u>	SPINE TRANSFER		]
<u>S-10</u>	6'-6" DEEP POCKET WITH POOL COPING		
S-20	8'-6" DEEP POCKED WITH POOL COPING		
	RADIUS OF WALL, REFER TO SKATE PARK		
Т	SECTIONS		
		PROJECT: REED PARK ALL WHEEL PA City of Fruita, CO	SKATE PARK FEATURE PLAN
		ISSUE DATE: 08/03/2	2023
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![](_page_42_Figure_0.jpeg)

### **CONCRETE FOUNDATION & WALL LEGEND** DESCRIPTION SVMBOI

SY	MBOL	DESCRIPTION	STRENGTH C	CURE TIME	<u>FINISH</u>	DETAIL
C	CF-01 TI	URNDOWN WALL ADJ. O GRADE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	03/SP5.04
	F-02 LE FC TI B/	EDGE / RAIL DUNDATION - HICKENED TOP DECK, ANK, OR STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	01-02/SP5.02
*********	F-03 TI	JRNDOWN WALL ON HICKENED DECK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL	02/SP5.04

# CONCRETE MATERIAL NOTES

- 1. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- 2. CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- 3. CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
- 4. CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
- 5. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
- 6. FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
- 7. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- 8. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.

# CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE AND/OR SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

- 1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
- 2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
- 3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
- 4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
- 5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
- 6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.

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SCALE : 1" = 10'-0"

- 7. POUR ALL TOP DECKS.
- 8. POUR ALL BOTTOM AREAS LAST.

![](_page_42_Figure_25.jpeg)

![](_page_43_Figure_0.jpeg)

# CONCRETE MATERIAL LEGEND

	SYMBOL	DESCRIPTION	STRENGTH	CURE TIME	<u>FINISH</u>
+ + +	CM-01	5" THK. CONCRETE SLAB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-02	6" THK. SHOTCRETE BOWL / BANK	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
'//// <sub>i</sub>	CM-03	CAPPED CAST IN PLACE LEDGE	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
*****	CM-04	CAST IN PLACE STAIRS	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
	CM-05	6" THK. FLAT BOTTOM	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
<i>\       .</i>	CM-06	6" THK. SHOTCRETE BANK WITH "BRICK" STENCIL	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL
1/1/1	CM-07	CAST IN PLACE CURB	4,000 P.S.I.	28 DAYS	SMOOTH TROWEL

# CONCRETE MATERIAL NOTES

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- 2. CONTRACTOR TO SUBMIT PROPOSED START AND STOP FORM LOCATIONS FOR ALL CONCRETE WORK SHOWN FOR REVIEW AND APPROVAL BY SKATE PARK DESIGNER.
- 3. CONTRACTOR TO BUILD ALL TEMPLATES AND FORMS WITH TRUE ARCS AND TANGENTS MATCHING SECTIONS AND PROFILE DIMENSIONS WITHIN THE CONSTRUCTION DOCUMENTS.
- 4. CONTRACTOR TO POUR ON-SITE SAMPLES OF CAST-IN-PLACE AND SHOTCRETE WORK PER THE SPECIFICATIONS. SAMPLES CANNOT BE PART OF THE PROJECT WORK.
- 5. ALL CONCRETE FINISH WORK TO BE PERFORMED BY QUALIFIED CONTRACTOR WHO IS ABLE TO MEET THE TOLERANCES MENTIONED IN THE PROJECT'S TECHNICAL SPECIFICATIONS.
- 6. FINISH WORK NOT MEETING THE TOLERANCES, FINISH AND TOOLING FROM ON-SITE SAMPLES WILL BE REJECTED.
- 7. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- 8. ALL BANKS LESS THAN 3' HIGH MAY BE CAST IN PLACE, IN LIEU OF SHOTCRETE, UPON SKATE PARK DESIGNER'S APPROVAL.

# CONCRETE POUR SEQUENCE GUIDELINES

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THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

- 1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
- 2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
- 3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
- 4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
- 5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
- 6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.
- 7. POUR ALL TOP DECKS.
- 8. POUR ALL BOTTOM AREAS LAST.

<u>IISH</u>	DETAIL
DOTH DWEL	01/SP5.01
DOTH DWEL	06-07/SP5.01
DOTH DWEL	01-02/SP5.02 08/SP5.02
DOTH DWEL	03/SP5.02
DOTH DWEL	01/SP5.03
DOTH DWEL	07/SP5.05
оотн	06/SP5.06

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SCALE : 1" = 10'-0"

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### CONCRETE JOINTING LEGEND SAMDOL

SYMBOL	DESCRIPTION	DETAIL
	CJ - CONSTRUCTION JOINT	02-04,07 /SP5.03
	SJ - SAWCUT JOINT	05/SP5.03
	EJ - EXPANSION JOINT (SEE NOTES 10 & 11)	06/SP5.03
SCULPTURAL BLEND ZONI PROVIDE CUSTOM CONCE BLENDING FOR SMOOTH		ONE ICRETE H

TRANSITIONS. THESE AREAS TYPICALLY REQUIRE GREATER HAND WORK AND QUALITY CONTROL TO ENSURE THAT BLENDS DO NOT RESULT IN IRREGULAR CONCRETE SURFACE CONDITIONS. THESE AREAS NEED TO BE **REVIEWED AND APPROVED AT THE** FINE GRADING STAGE, PRIOR TO CONCRETE PLACEMENT, BY THE SKATE PARK DESIGNER.

# CONCRETE JOINTING NOTES

- 1. CONSTRUCT JOINTS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE.
- 2. CONSTRUCTION JOINTS: INSTALL SO STRENGTH AND APPEARANCE OF CONCRETE ARE NOT IMPAIRED, AT LOCATIONS INDICATED AND APPROVED BY SKATE PARK DESIGNER.
- 3. PLACE JOINTS PERPENDICULAR TO MAIN REINFORCEMENT. CONTINUE REINFORCEMENT ACROSS CONSTRUCTION JOINTS, UNLESS OTHERWISE INDICATED.
- 4. SAWED JOINTS: FORM CONTRACTION JOINTS WITH POWER SAWS EQUIPPED WITH SHATTERPROOF ABRASIVE OR DIAMOND-RIMMED BLADES. CUT 1/8-INCH WIDE JOINTS INTO CONCRETE WHEN CUTTING ACTION WILL NOT TEAR, ABRADE, OR OTHERWISE DAMAGE SURFACE AND BEFORE CONCRETE DEVELOPS RANDOM CONTRACTION CRACKS.
- 5. ALL CONTROL JOINTS SHALL BE SEALED PER REFERENCED DETAILS.
- 6. CLEAN ALL JOINTS THOROUGHLY DEBRIS AND DUST FREE PRIOR TO ANY SEALANT APPLICATION.
- 7. CONCRETE MUST BE CURED TO SPECIFIED STRENGTH PRIOR TO APPLYING SEALANT.
- 8. CONTRACTOR MUST SUBMIT A POUR SCHEDULE DESIGNATING ALL START AND STOP FORM LOCATIONS PRIOR TO START OF CONSTRUCTION.
- 9. THE JOINTING PLAN IS DIAGRAMMATIC IN NATURE. CONTRACTOR TO APPLY ADDITIONAL JOINTING AND CRACK PREVENTION MEASURES AS NECESSARY.
- 10. EXPANSION JOINT AT FLATWORK: 1/4" WIDE PER 06/SP5.03.
- 11. EXPANSION JOINT BETWEEN WALL / CURB AND FLATWORK: 1/2" WIDE WITH ELASTROMERIC SEALANT, TOOL FLAT & SMOOTH SIKAFLEX-1C-SL OR EQUAL. PROVIDE BOND BREAKER MEMBRANE 1/2" MIN. FROM SURFACE. MINIMUM CAULKING THICKNESS WITH BOND BREAKER IN PLACE IS 1/2".

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SCALE : 1" = 10'-0"

![](_page_44_Picture_18.jpeg)

![](_page_45_Figure_0.jpeg)

### CONCRETE COLOR LEGEND DESCRIPTION SYMBOL

CC-01	NATURAL GRAY
<b>////</b> CC-02	CANTILEVERED LEDGE CAP: NATURAL GRAY LEDGE BASE: TERRA COTTA / DAVIS COLORS 10134 (OR APPROVED EQUAL)
CC-03	GRAPHITE / DAVIS COLORS 8084 (OR APPROVED EQUAL), INTEGRAL COLOR
CC-04	TERRA COTTA / DAVIS COLORS 10134, INTEGRAL COLOR
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	TERRA COTTA / DAVIS COLORS 10134, INTEGRAL COLOR SPECIAL PAVING - STENCILED BRICK PATTERN. METHOD OF APPLICATION TO BE SELECTED. CONTRACTOR TO SUBMIT PATTERN AND COLOR SAMPLES FOR

APPROVAL

# CONCRETE POUR SEQUENCE GUIDELINES

CONTRACTOR TO COORDINATE ALL PROJECT SAMPLE REVIEWS, PROGRESS SITE VISITS WITH CLIENT REPRESENTATIVE AND/OR SKATE PARK DESIGNER IN ADVANCE. CONTRACTOR TO SUBMIT POUR SCHEDULE FOR REVIEW AND APPROVAL PRIOR TO COMMENCING WORK.

THE FOLLOWING IS A SEQUENCING GUIDELINE FOR THE CONTRACTOR'S SUBMITTAL:

- 1. INSTALL ALL CAST-IN-PLACE FORMS & METAL FABRICATIONS.
- 2. POUR ALL CAST-IN-PLACE LEDGES, BREAK FORMS AND FINISH.
- 3. INSTALL ALL METAL FABRICATIONS FOR SHOTCRETE AREAS AND FORM WORK.
- 4. INSTALL ALL REQUIRED REBAR PER PLANS AND SPECIFICATIONS.
- 5. INSTALL ALL SHOTCRETE AND SPECIALTY POURS PER PLANS AND SPECIFICATIONS.
- 6. BREAK ALL SHOTCRETE AND SPECIALTY FORMS PRIOR TO POURING FLATWORK.

10

SCALE : 1" = 10'-0"

- 7. POUR ALL TOP DECKS.
- 8. POUR ALL BOTTOM AREAS LAST.

# COLORED CONCRETE CURING NOTES

- 1. CONTRACTOR TO ENSURE THAT COLORED CONCRETE IS CURED AND SEALED AFTER EACH POUR PRIOR TO POURING ADJACENT COLORED CONCRETE SURFACES TO AVOID BLEEDING AND DUSTING.
- 2. COLORED CONCRETE SHALL BE CURED WITH AN APPROVED CURING AID. CONTRACTOR TO SUBMIT CURING AID PRODUCT SPECIFICATION TO CLIENT REPRESENTATIVE FOR APPROVAL.

![](_page_45_Figure_18.jpeg)

![](_page_46_Figure_0.jpeg)

METAL MATERIAL LEGEND				
SYMBOL	DESCRIPTION	O.D. SIZE / GAUGE	DETAIL	
 MM-01	2-3/8" O.D. ROUND STEEL PIPE COPING		04/SP5.06	
 MM-02	1/4" THK. CUSTOM FABRICATED ANGLED PLATE EDGING		06/SP5.06	
MM-03	6" x 1/4" x 1-7/8" C-CHANNEL EDGING (FLUSH)	C6X8.2 - 2.00" x 6.00" x 0.1875"	07/SP5.02	
 [MM-04]	6" x 1/4" x 1-7/8" C-CHANNEL EDGING WITH TABS & EXPANSION ANCHORS (AT CANTILEVERED LEDGE CAPS	C6X8.2 - 2.00" x 6.00" x 0.1875"	05/SP5.02	
MM-05	2-3/8" O.D. ROUND PIPE RAIL		01-03/SP5.(	
 MM-06	1/4" THK. CUSTOM CUT STEEL PLATE		04/SP5.02	
 MM-07	3'-6" HIGH SAFETY GUARDRAIL			

# **POOL COPING & TILE LEGEND**

<u>SYMBOL</u> DESCRIPTION 12" WIDE POOL POOL COPING AND 6" WIDE BORDER CONSISTING OF SIX (6) ROWS OF 1"X1" MOSAIC TILES MANUFACTURED BY DALTILE OR APPROVED EQUIVALENT

# METAL MATERIAL NOTES

- 1. ALL METAL FABRICATION SIZES ARE NOMINAL.
- 2. ALL METAL FABRICATIONS SHOWN ARE TO BE HOT DIPPED GALVANIZED UNLESS NOTED OTHERWISE. REFER TO SKATE PARK METAL COLOR PLAN .
- 3. QUALIFICATIONS OF CONTRACTOR: PROVIDE AT LEAST ONE (1) PERSON WHO SHALL BE PRESENT AT ALL TIMES DURING EXECUTION OF THIS PORTION OF THE WORK, AND WHO SHALL BE THOROUGHLY FAMILIAR WITH THE TYPE OF MATERIALS BEING INSTALLED, THE REFERENCED STANDARDS, THE REQUIREMENTS OF THIS WORK, AND WHO SHALL DIRECT ALL WORK PERFORMED UNDER THIS SECTION.
- 4. WELDS NECESSARY TO CONNECT ALL COPING AND METAL FABRICATION SHOULD BE DONE BY CERTIFIED WELDER, GROUND SMOOTH, DE-BURRED AND COATED PER SPECIFICATIONS.
- 5. PROTECT ALL FINISH WORK ADJACENT TO METAL FABRICATION EFFORTS TO PREVENT ANY STAINING.
- 6. SAMPLES: REQUIRED FOR ALL COPING, RAILS, FENCING AND EDGING OF SKATE PARK. SUBMIT FINISH METAL SAMPLES FOR FINAL FINISH REQUIRED PRIOR TO DELIVERY TO SITE.
- 7. STEEL COPING: ROLL PIPE TO CONFORM WITH HORIZONTAL CONTROL RADII AT CENTERLINE OF PIPE.
- 8. CONTRACTOR SHALL REFER TO SKATE PARK CONSTRUCTION DETAILS FOR COPING SUPPORT OPTIONS. SUBMIT DETAIL ALONG WITH SHOP DRAWINGS IF USING A DIFFERENT COPING SUPPORT PRIOR TO FABRICATION.
- 9. ALL METAL EDGING TO HAVE END CAPS WHERE EXPOSED TO CONCRETE.

![](_page_46_Figure_16.jpeg)

DETAIL

06/SP5.05

10

SCALE : 1" = 10'-0"

![](_page_47_Figure_0.jpeg)

METAL COLOR / FINISH LEGEND	
SYMBOL       DESCRIPTION         MC-01       PAINT COLOR: DETERMINED ORANGE SW 6635 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS	
MC-02 PAINT COLOR: TRICORN BLACK SW 6285 (GALVANIZED & PAINTED) MANUFACTURER: ACROLON BY SHERWIN WILLIAMS OR APPROVED EQUAL. PAINT FINISH: SEMI-GLOSS	
POOL COPING & TILE COLOR LEGEND	
PC-01 12" WIDE POOL COPING - NATURAL GRAY	
6" WIDE BORDER CONSISTING OF SIX (6) ROWS OF 1"X1" MOSAIC TILES. PATTERN: RANDOM COLOR: TO BE SELECTED MANUFACTURER: DALTILE OR APPROVED EQUIVALENT. CONTRACTOR TO SUBMIT SAMPLE TO CLIENT REPRESENTATIVE AND SKATE PARK DESIGNER FOR APPROVAL.	NU LICENSE
METAL PAINTING NOTES	
1. SURFACE PREPARATION OF GALVANIZED SURFACES SHALL BE IN ACCORDANCE WITH SSPC SP16 AND ASTM D6386 <sup>1</sup>	
A. ALL AREAS CONTAINING VISIBLE CONTAMINANTS SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC SP1 SOLVENT CLEANING.	
<ul> <li>B. ALL AREAS CONTAINING NON-VISIBLE CONTAMINANTS SHALL BE PRESSURE WASHED CLEAN WITH CHLOR-RID PER MANUFACTURER'S SPECIFICATIONS.</li> </ul>	PARK
C. GALVANIZED SURFACES SHALL BE SWEEP-BLASTED TO ACHIEVE A SLIGHT ANGULAR SURFACE PROFILE 1 MIL. MIN. BLAST OF THE GALVANIZING SHALL BE DONE IN SUCH A MANNER AS TO NOT DAMAGE OR REMOVE ANY OF THE GALVANIZING. ANY GALVANIZING THAT IS DAMAGED SHALL BE REPAIRED IN ACCORDANCE WITH ASTM A780. BLASTED SURFACES SHALL BE CLEAN, DRY, AND FREE OF CORROSION PRODUCTS AT TIME OF APPLICATION OF PAINT	EED PARK ALL WHEEL
<ol> <li>FINISH COAT SHALL BE ACROLON 218, MINIMUM DFT. 2.0 MILS. COLOR OF FINISH COAT SHALL HAVE COLOR AS NOTED AND HAVE A SEMI-GLOSS FINISH. APPLICATION OF PAINT SHALL FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.</li> </ol>	
3. CONTRACTOR SHALL SUBMIT PAINTED SAMPLES TO CLIENT REPRESENTATIVE AND SKATE PARK DESIGNER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION, GALVANIZING AND PAINTING.	PROJECT:
	ISSUE D
	DRAWN
	CHECKE
U 5 10 SCALE : 1" = 10	20 D'-0"

![](_page_47_Figure_3.jpeg)

MC-01

MC-02

![](_page_48_Figure_0.jpeg)

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Site Layout Point Table			
Point #	Northing	Easting	
1	68106.85	44337.93	
2	68106.81	44348.94	
3	68103.14	44348.94	
4	68097.14	44354.94	
5	68097.14	44371.64	
6	68097.14	44380.14	
7	68097.14	44390.62	
8	68080.99	44390.62	
9	68075.74	44390.62	
10	68049.02	44390.62	
11	68029.73	44390.62	
12	68007.52	44390.62	
13	68007.52	44360.62	
14	67988.59	44340.17	
15	67989.19	44332.25	
16	67988.80	44328.62	
17	68002.63	44307.50	
18	68007.32	44305.66	
19	68016.72	44302.61	
20	68097.15	44302.61	

Site Layout Point Table					
Point #	Northing	Easting			
61	68039.87	44388.62			
62	68039.87	44382.88			
63	68037.51	44378.09			
64	68037.51	44370.54			
65	68037.51	44368.96			
66	68039.87	44369.09			
67	68039.87	44356.79			
68	68025.57	44354.83			
69	68025.57	44357.29			
70	68018.32	44360.62			
71	68015.30	44360.62			
72	68037.75	44332.39			
73	68031.75	44332.51			
74	68024.75	44339.51			
75	68024.75	44344.78			
76	68031.75	44351.78			
77	68043.21	44351.78			
78	68051.21	44343.78			
79	68051.21	44332.23			
80	68052.31	44329.48			

Site	Site Layout Point Table			
Point #	Northing	Easting		
121	68007.53	44341.62		
122	68027.18	44373.58		
123	68061.51	44375.09		
124	68079.52	44360.55		
125	68072.44	44343.29		
126	68079.51	44325.02		
127	68099.27	44358.77		
128	68099.27	44354.46		

Site Layout Point Table				
Point #	Northing	Easting		
21	68097.14	44309.11		
22	68097.14	44315.61		
23	68097.14	44331.92		
24	68091.51	44337.43		
25	68091.51	44349.43		
26	68089.51	44352.43		
27	68089.18	44352.43		
28	68079.51	44352.43		
29	68079.64	44345.43		
30	68084.51	44345.43		
31	68084.51	44341.43		
32	68079.64	44341.43		
33	68079.51	44334.43		
34	68089.18	44334.43		
35	68089.51	44334.43		
36	68072.47	44371.65		
37	68072.44	44352.43		
38	68072.43	44334.43		
39	68065.01	44315.61		
40	68064.79	44309.11		

Site Layout Point Table		
Point #	Northing	Easting
81	68054.79	44323.28
82	68054.79	44318.11
83	68045.79	44309.11
84	68039.39	44309.11
85	68037.68	44309.41
86	68030.04	44312.19
87	68029.35	44312.19
88	68021.71	44309.41
89	68020.00	44309.11
90	68016.72	44309.11
91	68009.64	44312.27
92	68005.48	44313.92
93	67995.39	44327.76
94	67995.84	44330.54
95	67995.07	44340.67
96	68019.36	44337.57
97	68023.14	44332.28
98	68031.25	44339.51
99	68031.25	44344.78
100	68031.75	44345.28

Site Layout Point Table		
Point #	Northing	Easting
41	68061.51	44319.11
42	68055.79	44318.07
43	68061.51	44338.43
44	68065.51	44338.43
45	68065.51	44348.43
46	68061.51	44348.43
47	68055.79	44336.43
48	68054.79	44336.43
49	68055.79	44350.43
50	68054.79	44350.43
51	68055.79	44354.83
52	68061.51	44360.55
53	68049.02	44360.55
54	68049.02	44369.09
55	68049.01	44370.42
56	68046.03	44370.42
57	68046.03	44378.42
58	68048.48	44378.09
59	68049.02	44378.42
60	68049.02	44388.62

Site Layout Point Table		
Point #	Northing	Easting
101	68043.21	44345.28
102	68044.71	44343.78
103	68044.71	44340.51
104	68043.21	44339.01
105	68031.75	44339.01
106	68045.79	44325.78
107	68048.29	44323.28
108	68048.29	44318.11
109	68045.79	44315.61
110	68039.65	44315.61
111	68032.26	44318.30
112	68027.13	44318.30
113	68019.74	44315.61
114	68016.72	44315.61
115	68014.79	44316.31
116	68014.46	44318.21
117	68015.97	44324.10
118	68019.37	44326.48
119	68023.14	44325.78
120	68004.61	44323.88

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# LAYOUT NOTES

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- 2. ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- 3. BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- 4. CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.

![](_page_48_Picture_15.jpeg)

![](_page_49_Figure_0.jpeg)

LAYOUT PLAN - LINES AND CURVES AND LINE/CURVE TABLES

В

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	Line Table		
Line #	Length	Direction	
L1	11.01	N89° 50' 27.84"W	
L2	3.70	N00° 00' 00.00"E	
L4	16.70	N90° 00' 00.00"W	
L5	9.50	N90° 00' 00.00"W	
L6	9.48	N90° 00' 00.00"W	
L7	15.15	N00° 00' 14.67"E	
L8	6.25	N00° 00' 00.00"E	
L9	26.72	N00° 00' 00.00"E	
L10	19.28	S00° 00' 00.00"E	
L11	22.21	N00° 00' 00.00"E	
L12	7.95	S85° 37' 26.27"E	
L13	80.43	N00° 00' 00.00"E	
L14	5.50	N90° 00' 00.00"W	
L15	7.50	N90° 00' 00.00"W	
L16	16.31	N90° 00' 00.00"W	
L18	3.73	S00° 09' 31.52"W	
L19	12.00	N90° 00' 00.00"E	
L20	2.00	S00° 00' 00.00"E	
L21	2.00	N00° 00' 00.00"E	
L22	10.00	S00° 00' 00.00"E	

Line Table		
Line #	Length	Direction
L64	11.55	N90° 00' 00.00"W
L65	5.17	N90° 00' 00.00"W
L66	6.40	S00° 00' 00.00"E
L67	8.13	N20° 00' 00.00"W
L68	8.13	S20° 00' 00.00"W
L69	3.28	N00° 00' 00.00"E
L70	10.15	S85° 37' 26.27"E
L71	14.61	N00° 00' 00.00"E
L72	5.27	N90° 00' 00.00"W
L73	11.46	S00° 00' 00.00"E
L74	3.27	N90° 00' 00.00"E
L76	11.46	N00° 00' 00.00"E
L78	5.17	N89° 59' 57.65"W
L80	6.14	S00° 00' 00.00"E
L81	7.87	N20° 00' 00.00"W
L82	7.87	S20° 00' 00.00"W
L83	3.01	N00° 00' 00.00"E
L84	22.65	N00° 00' 00.00"E
L85	18.00	N90° 00' 00.00"E
L86	30.00	N90° 00' 00.00"E

Line Table			
Line #	Length	Direction	
L23	7.00	S90° 00' 00.00"E	
L24	4.87	S00° 00' 00.00"E	
L25	4.00	N90° 00' 00.00"E	
L26	4.87	S00° 00' 00.00"W	
L27	7.00	N90° 00' 00.00"E	
L28	10.00	N00° 00' 00.00"E	
L29	24.68	N00° 02' 26.21"W	
L30	15.16	N00° 02' 26.21"W	
L31	9.47	S89° 56' 18.54"W	
L32	17.97	S89° 56' 18.54"W	
L33	32.14	S00° 00' 00.00"E	
L34	32.36	N00° 00' 00.00"E	
L36	19.33	N90° 00' 00.00"E	
L37	35.73	N90° 00' 00.00"E	
L38	1.00	N00° 00' 00.00"E	
L39	14.00	N90° 00' 00.00"E	
L40	1.00	S00° 00' 00.00"E	
L41	30.22	S00° 00' 00.00"E	
L42	12.12	N90° 00' 00.00"E	
L43	12.49	S00° 00' 00.00"E	

Line Table		
Line #	Length	Direction
L44	8.53	N90° 00' 00.00"E
L45	12.29	N90° 00' 00.00"E
L46	13.31	N00° 00' 00.00"E
L47	1.33	N90° 00' 00.00"E
L48	11.38	N00° 00' 00.00"E
L49	11.38	S00° 00' 00.00"E
L50	1.33	S90° 00' 00.00"W
L51	8.00	N89° 59' 43.87"E
L52	8.00	N89° 59' 43.87"E
L53	12.46	N90° 00' 00.00"E
L54	12.46	N90° 00' 00.00"E
L55	18.20	N90° 00' 00.00"E
L56	10.97	N00° 00' 00.00"E
L57	10.20	S89° 59' 47.35"E
L58	19.28	N00° 00' 00.00"E
L59	2.00	N90° 00' 00.00"W
L60	7.77	S00° 00' 00.00"E
L61	6.00	N00° 00' 00.00"E
L62	5.27	N90° 00' 00.00"W
L63	11.46	S00° 00' 00.00"E

С	Curve Table		
Curve #	Length	Radius	
C1	9.42	6.00	
C2	47.12	15.00	
C3	31.30	19.00	
C4	3.67	10.00	
C5	28.74	16.50	
C6	5.08	10.00	
C7	10.06	16.00	
C8	9.41	6.00	
C9	14.10	9.00	
C10	5.50	3.50	
C11	8.22	9.54	
C12	12.32	12.00	
C13	11.00	7.00	
C14	11.00	7.00	
C15	12.57	8.00	
C16	3.04	4.00	
C17	6.84	9.00	
C18	14.14	9.00	
C19	1.75	5.00	
C20	0.70	1.00	

Curve Table		
Curve #	Length	Radius
C21	1.75	5.00
C22	7.99	9.50
C23	4.64	5.00
C24	20.56	10.00
C25	2.85	6.00
C26	44.34	12.50
C27	7.60	4.00
C28	0.79	0.50
C29	2.36	1.50
C30	2.36	1.50
C31	0.79	0.50
C32	3.93	2.50
C33	3.93	2.50
C34	5.24	7.50
C35	2.10	3.00
C36	2.09	1.50
C37	6.16	11.37
C38	4.89	2.50
C39	3.86	10.50

# LAYOUT NOTES

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- 2. ALL COORDINATES SHOWN AT THE BOTTOM OF ALL BANKS/ TRANSITIONS NEED TO BE CHECKED AGAINST THE CROSS SECTIONS FOR ACCURACY.
- 3. BECAUSE OF THE SCALE OF THIS DRAWING AND PROXIMITY OF FEATURES TO EACH OTHER, THE LOCATION OF SOME OR THE POINTS MAY BE OBSCURED. REFER TO THE LAYOUT DATA FOR THE ACTUAL LOCATIONS FOR ALL POINTS.
- 4. CONTRACTOR TO BE RESPONSIBLE FOR SURVEY WORK.

![](_page_49_Picture_15.jpeg)

![](_page_50_Figure_0.jpeg)

# SKATE PARK **GRADING & DRAINAGE LEGEND**

SYMBOL	DES

SCRIPTION

<b>&gt;</b>	DIRECTION OF SURFACE FLOW
	G.B. BREAK IN GRADE
	F.L. FLOWLINE IN SWALE
TOW	TOP OF WALL ELEVATION
Ф	DRAIN INLET, SEE 08/SP5.03
Т	RADIUS OF WALL. REFER TO SECTION SHEETS FOR PROFILE VIEW

BANK-EMBANKMENT WALL WITH SLOPE AND B RADII AT BASE. REFER TO SECTION SHEETS FOR PROFILE VIEW.

# SKATE PARK **GRADING & DRAINAGE NOTES**

- 1. FINAL HEIGHT AND SHAPE OF EXCAVATION TO BE VERIFIED BY SKATE PARK DESIGNER IN THE FIELD.
- 2. ALL SPOT ELEVATIONS ARE FOR TOP OF FINISH WORK UNLESS OTHERWISE NOTED.
- 3. MINIMUM SLOPE FOR ALL CONCRETE FINISH WORK SHALL BE 1%. WATER MUST DRAIN TOWARDS DIRECTION OF FLOW ARROWS AND FOLLOW OVERALL DESIGN INTENT.
- 4. MAXIMUM SIDEWALK CROSS SLOPE IS 2.0%.
- 5. MAXIMUM SIDEWALK LONGITUDINAL SLOPE IS 5.0%.
- 6. All AREAS DISTURBED BY GRADING OPERATIONS TO BE FINE GRADED.
- 7. VERIFY LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO COMMENCING WORK.
- 8. REFER TO SECTIONS AND PROFILES FOR HEIGHT, RADII AND PROFILES.
- 9. ALL FINE GRADING OF EARTHWORK SHALL BE INSPECTED WITH TEMPLATES CUT TO THE SPECIFIED RADII/ ANGLE. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL TEMPLATES/ SCREEDS TO BE USED FOR EARTHWORK TOLERANCES FOR APPROVAL BY SKATE PARK DESIGNER.
- 10. CONTRACTOR TO PROTECT ALL EXCAVATIONS FROM SOIL EROSION AND WATER SATURATION AT ALL TIMES USING APPROPRIATE CONSTRUCTION METHODS. AND LOSS OF SOIL PROFILE DURING CONSTRUCTION SHALL BE REPLACED WITH APPROPRIATE SOIL COMPOSITION AND COMPACTION METHODS TO MATCH LOSS SOIL.
- 11. MAINTAIN ALL EXISTING TREES UNLESS NOTED OTHERWISE ON CIVIL PLANS.
- 12. CONTRACTOR TO VERIFY FEATURE ELEVATIONS WITH SKATE PARK SECTIONS. IF A DISCREPANCY OCCURS, CONTRACTOR SHALL CONTACT SKATE PARK DESIGNER IMMEDIATELY.
- 13. CONTRACTOR TO REFER TO CIVIL PLANS FOR FINISH GRADE ELEVATIONS BEYOND SKATE PARK FOOTPRINT.

# SURVEY NOTES

- 1. LOCATE ALL SURVEY MARKS INCLUDING BENCH MARKS AND PROPERTY LINES IN ORDER THAT THE EXACT LINES OF CONSTRUCTION LIMITS AND GRADES MAY BE DETERMINED. BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.
- 2. VERIFY ENTIRE LAYOUT PRIOR TO START OF CONSTRUCTION WITH PROJECT OWNER'S REPRESENTATIVES AND SKATE PARK DESIGNER.
- 3. LOCATE AND PROTECT CONTROL POINTS PRIOR TO STARTING SITE WORK AND PROTECT ALL PERMANENT REFERENCE POINTS DURING ENTIRE CONSTRUCTION. REPLACE PROJECT CONTROL POINTS WHICH MAY BE LOST OR DESTROYED DURING CONSTRUCTION.
- 4. CONTRACTOR SHALL VERIFY FINISH GRADE ELEVATIONS AS SHOWN ON CIVIL ENGINEER'S PLANS AND BRING ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE IMMEDIATELY BEFORE PROCEEDING WITH WORK.

# SPOT ELEVATION LEGEND

BW	BOTTOM OF WALL
TW	TOP OF WALL
BB	BOTTOM OF BANK
ТВ	TOP OF BANK
ES	EDGE OF SLAB
TS	TOP OF SLAB
TL	TOP OF LEDGE
BL	BOTTOM OF LEDGE
ТС	TOP OF CURB
BC	BOTTOM OF CURB
TT	TOP OF TRANSITION
BT	BOTTOM OF TRANSITION
RIM	RIM OF DRAIN
INV	INVERT

![](_page_50_Picture_28.jpeg)

![](_page_50_Picture_29.jpeg)

![](_page_51_Figure_0.jpeg)

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![](_page_52_Figure_0.jpeg)

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![](_page_53_Figure_0.jpeg)

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![](_page_54_Figure_0.jpeg)

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![](_page_55_Figure_0.jpeg)

![](_page_55_Figure_1.jpeg)

![](_page_55_Figure_3.jpeg)

![](_page_56_Figure_0.jpeg)

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![](_page_56_Figure_2.jpeg)

1 1/2" = 1'-0"

- 1 6" REINFORCED CONCRETE SLAB
- 2 #3 REBAR AT 16" O.C. BOTH WAYS, TYP.
- 3 STEEL TROWEL SMOOTH FINISH UNLESS NOTED OTHERWISE
- 4 SELECT / STRUCTURAL FILL
- 5 COMPACTED SUBGRADE-REFER TO GEO-TECHNICAL REPORT FOR **RECOMMENDATIONS.** NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

![](_page_56_Figure_8.jpeg)

![](_page_56_Figure_9.jpeg)

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SP-5.01

1'-0"

6" THK. FLAT-BOTTOM CONCRETE SLAB

1 TERMINATE SLAB REINF. AT JOINT

-(1)

۲ o

: 4 . 4 .

- 2 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP.
- 3 REINFORCED TOP DECK OR FLATBOTTOM
- 4 SELECT / STRUCTURAL FILL
- 5 COMPACTED SUBGRADE-REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL RISE (PVR) SHALL NOT EXCEED 1-1/2"

(05)

(3)

(4)

(5

· A .

# TYP. CONSTRUCTION JOINT AT 6" SLAB

![](_page_56_Figure_17.jpeg)

TYP. CONSTRUCTION JOINT (07) NOT TO SCALE

![](_page_56_Figure_20.jpeg)

![](_page_57_Figure_0.jpeg)

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 $\odot$ (1) CONSTRUCTION JOINT AT (9) BOND BEAM, SEE 07/SP5.02 BOND BEAM (10) COPING - REFER TO MATERIAL PLAN FOR TYPE & LOCATION (2) REINFORCED TOP DECK De (3) 6" DENSE GRADED CRUSHED (11) COMPACTED SUBGRADErts STONE **REFER TO GEO-TECHNICAL** REPORT FOR (4) POINT OF TANGENCY RECOMMENDATIONS. NOTE: POTENTIAL VERTICAL 5) #4 X 18" SMOOTH DOWEL WITH RISE (PVR) SHALL NOT PLASTIC SLEEVE ON ONE END EXCEED 1-1/2" @ 2'-0" O.C.,TYP. (12) SLOPE/GRADE BETWEEN (6) CONSTRUCTION JOINT POINT OF TANGENCY AND AT REINFORCED DECK CONSTRUCTION JOINT TO BE CONSISTENT WITH (7) RADIUS VARIES, REFER TO SLOPE/GRADE OF TOP DECK / SECTIONS FLATBOTTOM AEL R. MC (8) 6" SHOTCRETE TRANSITION m WITH REBAR #3 @ 12" O.C. BOTH WAYS, TYP. 9/30/07 Driginal Date of Licensure Š  $\overline{(7)}$  RADIUS VARIES, REFER CONSTRUCTION JOINT AT FLATBOTTOM TO SECTIONS 2 REINFORCED FLATBOTTOM 8 COMPACTED SUBGRADE- REFER TO (3) 6" DENSE GRADED **GEO-TECHNICAL** <u>,</u> 1'-0" CRUSHED STONE REPORT FOR **RECOMMENDATIONS.** 4 #4 X 18" SMOOTH DOWEL NOTE: POTENTIAL WITH PLASTIC SLEEVE ON VERTICAL RISE (PVR) ONE END @ 2'-0" O.C., TYP. SHALL NOT EXCEED 1-1/2" (5) RADIUS VARIES, REFER TO Ш 00 SECTIONS 9 SLOPE/GRADE BETWEEN POINT OF Ш ШО 6 6" SHOTCRETE TRANSITION WITH REBAR TANGENCY AND Y CONSTRUCTION JOINT #3 @ 12" O.C. TO BE CONSISTENT of F ΡA BOTH WAYS, TYP WITH SLOPE/GRADE OF  $\triangleleft$ PARK City o TOP DECK / Ш FLATBOTTOM SKAT (1) REINFORCED TOP DECK 2 #4 X 18" SMOOTH DOWEL WITH PLASTIC SLEEVE ON ONE END @ 2'-0" O.C.,TYP. ISSUE DATE: (3) SELECT/ STRUCTURAL FILL <u>1'-0"</u> MIN. -\*/\_\_\_9 08/03/2023 MIN. 4 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" CLR.TYP. BOTH WAYS DRAWN BY: 5 6" DENSE GRADED CRUSHED STONE ASD 6" SHOTCRETE TRANSITION WITH REBAR #3 @ 12" 6 BOTH WAYS ·Ľ\_\_\_⊻ CHECKED BY: 7 BOND BEAM WITH (4) #3 CONT. REBAR & #3 TIES AT 18" O.C. ASD (8) 1/8" TOOLED JOINT BOTH SIDES **REVISIONS**: (9) COPING - REFER TO MATERIALS ∕( 4 ) PLAN FOR TYPE & LOCATION  $\sqrt{1}$ . • • • (10) COMPACTED SUBGRADE- REFER TO GEO-TECHNICAL REPORT FOR RECOMMENDATIONS. NOTE THAT THE POTENTIAL VERTICAL RISE (PVR) SHOULD NOT EXCEED 1-1/2" SLOPE/GRADE OF BOND BEAM SURFACE TO BE (11) CONSISTENT WITH SLOPE/GRADE OF ADJACENT TOP DECK SHEET NUMBER:

SP5.02

TYP. BOND BEAM

![](_page_58_Figure_0.jpeg)

![](_page_59_Figure_0.jpeg)

![](_page_59_Figure_2.jpeg)

![](_page_59_Picture_8.jpeg)

![](_page_59_Figure_9.jpeg)

![](_page_59_Figure_10.jpeg)

IMPERIAL						
D		SQUARE	RECTANGULAR			
Actual Size	Nominal Size	Actual Size	Nominal Size	Actual Size		
S 2.375 x 0.1875	2" X 2"	HSS 2.000 x 2.000 x 0.1875	2" X 3"	HSS 2.000 x 3.000 x 0.1875		
S 2.875 x 0.1875	3" X 3"	HSS 3.000 x 3.000 x 0.1875	2" X 6"	HSS 2.000 x 6.000 x 0.1875		
S 3.500 x 0.1875	3-1/2" X 3-1/2"	HSS 3.500 x 3.400 x 0.1875	2" X 8"	HSS 2.000 x 8.000 x 0.1875		
S 4.000 x 0.1875	4" X 4"	HSS 4.000 x 4.000 x 0.1875	2-1/2" X 4"	HSS 2.500 x 4.000 x 0.1875		
S 4.500 x 0.1875			3" X 5"	HSS 3.000 x 5.000 x 0.1875		
METRIC						
D	SQUARE		RECTANGULAR			
Actual Size	Nominal Size	Actual Size	Nominal Size	e Actual Size		
)3cm x 4.76mm	2" X 2"	5.08cm x 5.08cm x 4.76mm	2" X 3"	5.08cm x 7.62cm x 4.76mm		
30cm x 4.76mm	3" X 3"	7.62cm x 7.62cm x 4.76mm	2" X 6"	5.08cm x 15.24cm x 4.76mm		
39cm x 4.76mm	3-1/2" X 3-1/2"	8.89cm x 8.89cm x 4.76mm	2" X 8"	5.08cm x 20.32cm x 4.76mm		
.16cm x 4.76mm	4" X 4"	10.16cm x 10.16cm x 4.76mm	2-1/2" X 4"	6.35cm x 10.16cm x 4.76mm		
.43cm x 4.76mm			3" X 5"	7.62cm x 12.70cm x 4.76mm		
NOTE						

![](_page_60_Figure_0.jpeg)

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PATTERN IS FORMED BY COMMON BRICK MASONRY UNITS LAID AT RIGHT ANGLES TO EACH OTHER. INSIDE JOINTS TO HAVE APPEARANCE OF RAKED, ROUGH, SANDY GROUTED JOINT, 3/8" WIDE X 1/8" DEEP. TOOL EDGES HAVE AN OUTSIDE JOINT, 3/8" WIDE ON SELECTED SIDES, AND MATCH THE INSIDE JOINTS WHEN TOOLS ARE JOINED.

SURFACE TEXTURE IS THAT OF NEW, UNUSED BRICK, EDGES ARE STRAIGHT, CORNERS ARE SQUARE. STAMPED OR STENCILED PATTERN TO HAVE A SMOOTH FINISH, FREE OF VOIDS AND AIR POCKETS.

- THIS PATTERN IS MEANT FOR REFERENCE ONLY.
- CONTRACTOR TO FOLLOW PROFESSIONAL STANDARDS AND PRACTICES, INCLUDING THOSE PUBLISHED BY THE AMERICAN CONCRETE INSTITUTE (ACI).
- CONTRACTOR TO SUBMIT STENCIL PRODUCT TO BE USED DURING INSTALLATION DURING SHOP DRAWING PHASE. SKATEPARK DESIGNER MUST APPROVE STENCIL BEFORE USE.

Action Sports Design, LLC Austin, TX 78738 Phone: 1(512) 387-5827 www.ActionSportsDesign.com						
9/30/07 0riginal Date of Licensure <i>OF COLORNAL</i>						
oJECT: REED PARK ALL WHEEL PARK City of Fruita, CO	EET TITLE: SKATE PARK DETAILS					
	HS I					
08/03/2	2023					
DRAWN BY: ASD						
CHECKED BY:	CHECKED BY: ASD					
REVISIONS:         1         2         3						
SHEET NUMBER: SP5.05						

![](_page_61_Figure_0.jpeg)